CloudPAT™

Web Software Operation Manual

Itamar Medical REF OM2200000

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Edition Table

Edition	Date	Description	Chapter	Pages
0	August 2011	Preliminary	All	All
1	November 2012	1st Release	All	All
2	March 2014	Update software version Updating Itamar Medical address Updating ISO symbols Updating authorized regulatory representative address	All	All
3	April 2015	Update software version	All	All
4	July 2015	Update CloudPAT S/W – Definition	1.3	7

1. Introduction to CloudPAT

1.1. Intended Use of WatchPAT™ device

WatchPAT™ device is a non-invasive home care device for use with patients suspected to have sleep related breathing disorders. The WatchPAT™ device is a diagnostic aid for the detection of sleep-related breathing disorders, sleep staging (Rapid Eye Movement (REM) Sleep, Light Sleep,Deep Sleep and Wake), snoring level and body position. The device generates a peripheral arterial tonometry ("PAT") Respiratory Disturbance Index ("PRDI"), Apnea-Hypopnea index ("PAHI"),PAT sleep staging identification ("PSTAGES") and optional snoring level and body position discrete states from an external integrated snoring and body position (SBP) sensor. The device's "PSTAGES" and SBP provide supplemental information to its PRDI/PAHI. The device's "PSTAGES" and SBP are not intended to be used as the sole or primary basis for diagnosing any sleep related breathing disorder, prescribing treatment, or determining whether additional diagnostic assessment is warranted.

1.2. zzzPAT S/W – Definition

zzzPAT is an analysis software package used with the WatchPAT™ device to aid in diagnosis of sleep related breathing disorders and detects REM, Light Sleep, Deep Sleep and Wake stages. The zzzPAT S/W displays the signals recorded by the WatchPAT™ device, automatically identifies breathing disordered events and REM, Light Sleep, Deep Sleep stages, and generates a comprehensive report for the physician.

1.3. CloudPAT S/W – Definition

CloudPAT is a HIPAA-compliant (PL104-191) web-based cloud application used for managing the diagnosis and treatment of sleep apnea. It offers individual physicians or large organizations the ability to control the process of sleep disorder management seamlessly and electronically in a turnkey fashion.

In its basic implementation, CloudPAT is a parallel adjunct to the local zzzPAT sleep analysis software sold separately with WatchPAT™ device. CloudPAT uses zzzPAT's analyzing software modules that are responsible for the identification of the breathing disordered events and REM, Light Sleep and Deep Sleep stages.

CloudPAT offers simple preparation and uploading of WatchPAT™ sleep studies that can be sent transparently for interpretation by a local Interpreting Physician or from a national network of telemedicine to a Board-certified Interpreting Physicians. After interpretation the sleep study results will be attached to the patient's record. The regular, comprehensive WatchPAT™ sleep study report is available for printing, export, and analysis. All data is securely stored and backed up on the Web.

1.4. Overview

Obstructive sleep apnea syndrome (OSAS) is considered a major public health problem. The prevalence of the syndrome is estimated at 2% to 5% in the adult population. It is characterized by recurrent events of complete or partial obstruction of the upper airways during sleep, often leading to hypoxemia, and/or arousals associated with sympathetic nervous system activation. The diagnosis and assessment of the sleep apnea patient is based on the Respiratory Disturbance Index (RDI), the number of Apneas, Hypopneas and Respiratory Effort Related Arousals (RERA) per hour of sleep and/or apnea-hypopnea index (AHI), along with sleep architecture. The common consequences of this sleep disruption are daytime sleepiness, poor daytime performance and increased vulnerability to accidents. Cardiovascular complications such as systemic/pulmonary hypertension, ischemic heart disease and arrhythmias are the major sequel of OSAS in the adult population.

The WatchPAT™ device is worn on the wrist and utilizes a plethysmographic based finger–mounted probe, to measure the PAT (Peripheral Arterial Tone) signal. The PAT signal is a measurement of the pulsatile volume changes in the fingertip arteries which reflects the relative state of the arterial vasomotor activity, and thus indirectly the level of sympathetic activation. Peripheral arterial vasoconstriction, which mirrors sympathetic activation, is shown as attenuation in the PAT signal amplitude. The PAT signal is recorded continuously and stored on a micro-SD card along with pulse rate (derived from the PAT signal), data from a built in pulse-oximeter (the sensor is mounted on an adjacent finger) and an actigraph (embedded in the device). Following the sleep study, in an offline procedure, the recordings are uploaded to a web server and analyzed using the proprietary CloudPAT software.

CloudPAT uses the same algorithms as zzzPAT. The study data can be downloaded to a local PC in case the whole night data needs to be viewed and the automatically detected events need to be revised manually using the zzzPAT software.

This manual provides the information necessary for routine use of CloudPAT software.

1.5. Terminology

CloudPAT supports various types of users and entities.

- **Office** – a practice responsible to dispensing the tests. Office can include one or more referring physicians, as well as technicians and administrative staff.
- **Referring Physician** – the primary physician or dentist prescribing the sleep test.
- **User** – typically a Provider such as a technician or a nurse, but might also be a physician. This is the most common type of user using CloudPAT functions such as Creating a new study, Uploading a study, Viewing reports and Managing Patient Information (see Section 3).
- **Interpreting Physician**– a physician (typically Board-certified) performing the sleep study analysis, interpretation, diagnosis and recommendations. This is another type of user using CloudPAT functions: Reviewing and interpreting studies and Managing templates for diagnosis and recommendations (see Section 3.5).
- **Patient –** the person who undergoes the sleep study**.**

1.6. Minimum requirements

An internet connection using a PC workstation with Microsoft Win7 and above, running at a minimum upload speed of 1 Mbps and **Internet Explorer version 7.0 or higher** is required.

2. Setting CloudPAT Access

2.1 Obtaining an account

Usage of CloudPAT is intended for WatchPAT™ customers only (using Watch-PAT200/200U devices). A secure and individual login account must be assigned by Itamar administrator.

To obtain a Username and Password, contact Itamar Medical or send an email to info@itamar-medical.com. After a vetting process, you will get an email invitation containing your assigned Username followed by a 2nd email with the initial password.

Note

Be sure to change the initial password upon sign in.

Be sure to select Secret Question and provide an answer, so you will be able to generate a new password in case you will forget your password.

2.2 Accessing CloudPAT

All subsequent access to CloudPAT will be via the Sign-in icon located on the home screen of www.Itamar-Medical.com or directly at https:\\cloudpat.precisemd.com Access to CloudPAT starts with the Sign In screen where Username and Password are entered (see Figure 1).

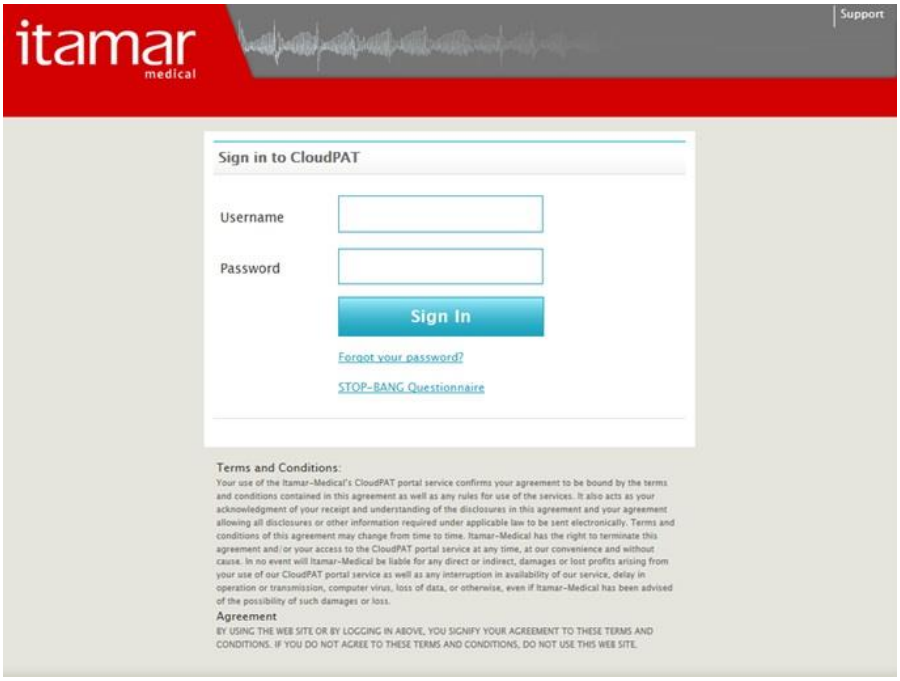


Figure 1: Sign In screen

2.3 Setting [Initial] Password

Upon initial account setup, you will be prompted to enter an initial temporary password. Upon first time signing in CloudPAT you will be prompted to pick a new password (see Figure 2). The minimum password length is eight characters, that must contain characters from three of the following four categories: English uppercase characters (A through Z), English lowercase characters (a through z), digits (0 through 9), Non-alphabetic characters (for example !, $, #, %).

Figure 2: Set Password screen

For identification purposes you will be prompted to fill in an answer to a secret question.

You must select a secret question and provide an answer to it. This answer will be used for authentication in case you forget your password and need to reset it (in such case a new temporary password will be sent to your email address).

Note

All asterisk (*) tagged fields are mandatory and should be filled (see Figure 2).

2.4 Changing password

When an office is defined, there's an option to determine the period of time (in days) that the password is valid before it expires. After that the system will require the user to change his password by the same rules mentioned in section 2.3 (see Figure 3).

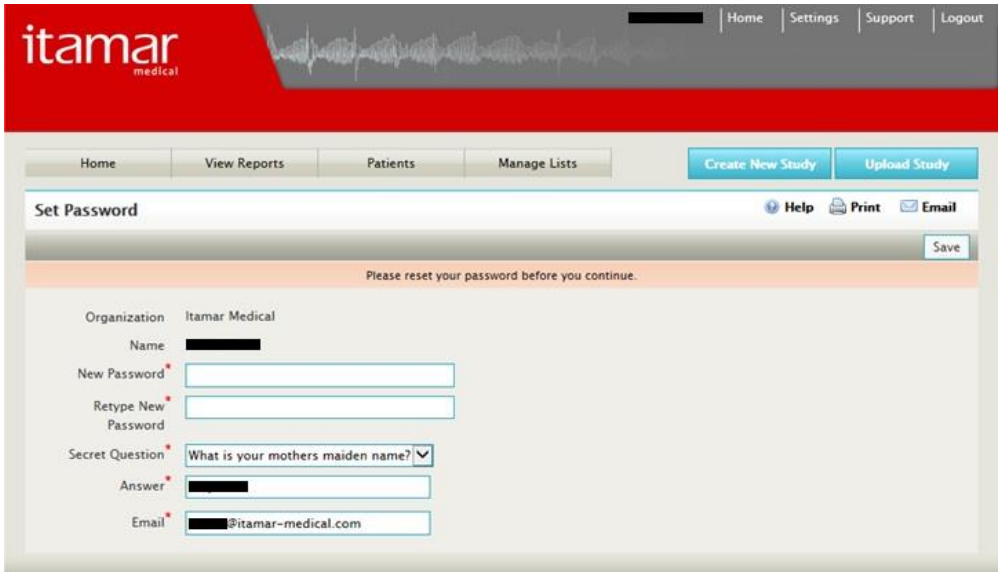


Figure 3: Change Password Screen

2.5 Resetting Password

In the event you forget your password, simply click on "Forgot your password?" link on Sign In screen (see Figure 1) and you will get the following sequence where you press "Continue" after each stage. Follow the instructions on each screen (see Figure 4).

In the event you forget your username, first try this: "first-name.last-name" and if it doesn't work contact customer support (i.e. john.smith).

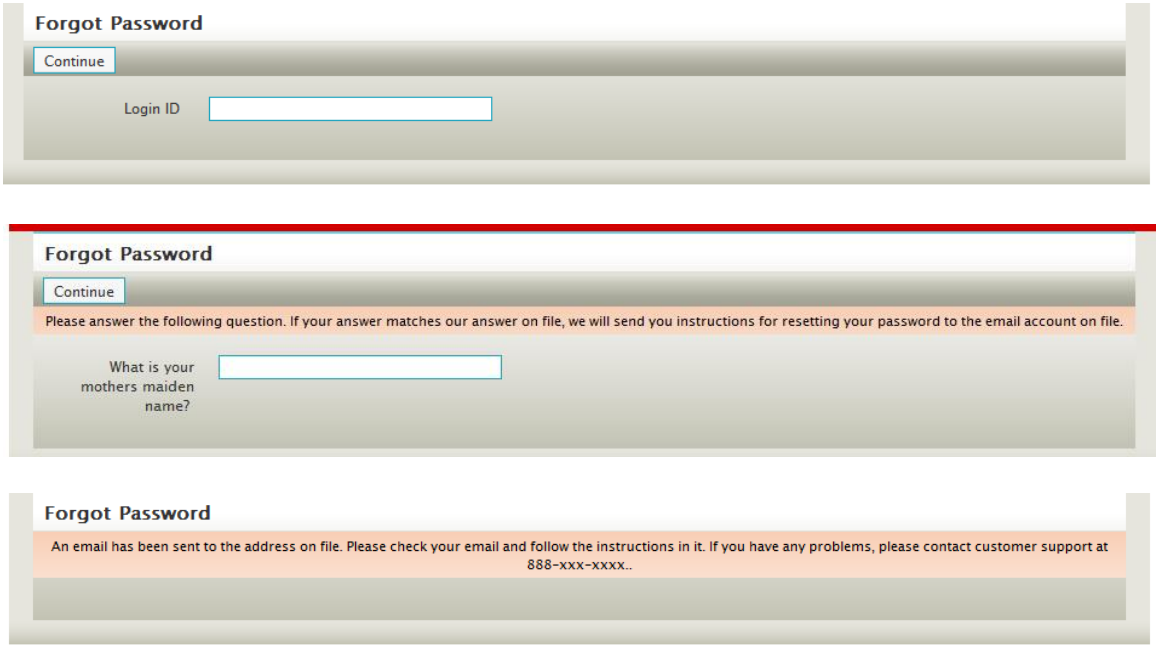

Forgot Password
Continue
Login ID
Forgot Password
Continue
Please answer the following question. If your answer matches our answer on file, we will send you instructions for resetting your password to the email account on file.
What is your mothers maiden name?
Forgot Password
An email has been sent to the address on file. Please check your email and follow the instructions in it. If you have any problems, please contact customer support at 888-xxx-xxxx..

Figure 4: Reset Password screens

2.6 Profile Settings & Support

Users may set their preferences by selecting the "Settings" option from the top of any screen at any time (see Figure 5). Last name and Email address are mandatory fields (see Figure 6). The secret question you have chosen and your answer will be displayed here as well. You may change the secret question at any time if you want. The "Notifications" check-box is for receiving emails notification:

- User will get notification when a report for a study that has been uploaded is ready.
- Interpreting Physician will get notification when there is a new study awaiting interpretation.

For administration support and help with any problems you experience with CloudPAT, please contact us by clicking the "Contact Us" link from any window. This link creates an e-mail sent to Itamar-Medical CloudPAT Support. Use the form shown in Figure 9 to send us a message with your problem description.

Please contact customer support by pressing "Support" from any screen if any difficulties arise. The Support screen contains the up to date phone numbers (see Figure 7).

Figure 5: Functions available from all screens

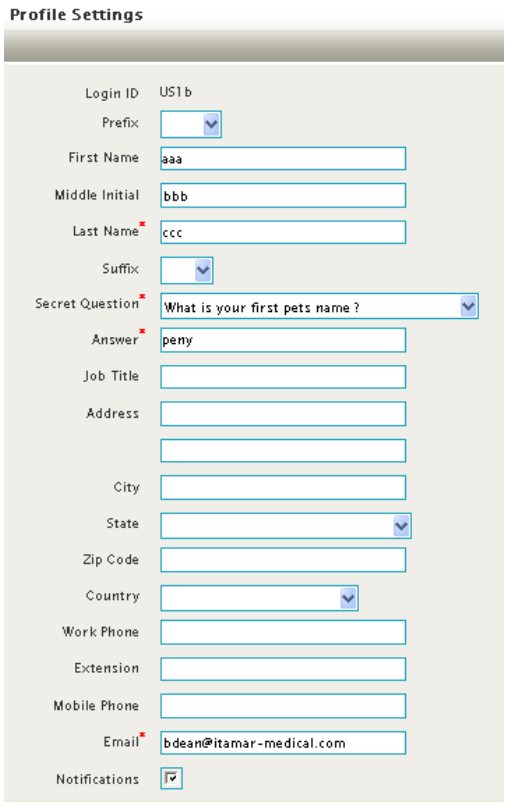


Figure 6: Profile Settings

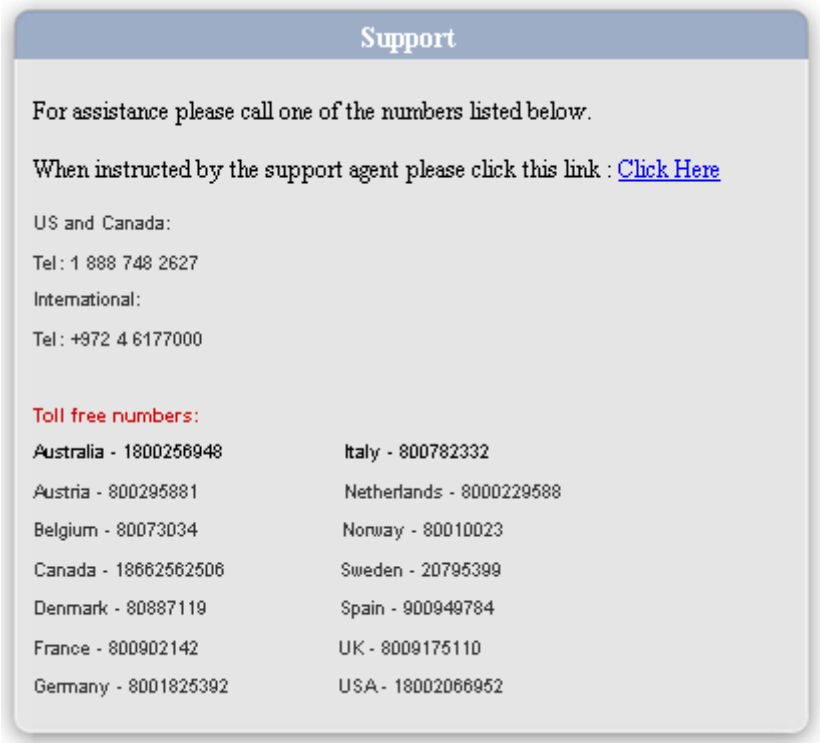


Figure 7: Support screen

Note that the contact numbers shown above are subject to change. Always use the updated numbers.

3. Using CloudPAT as a User

3.1. Main Access Screen (Home "Lobby")

Here are the main actions that can be selected from this screen (see Figure 8):

1. **Create New Study** – prepares a new patient & initializes WatchPAT™ device for a new sleep study.
2. **Upload Study** – uploads sleep study files from WatchPAT™ device to the CloudPAT web server and subsequent redirection (e.g., interpretation by an Interpreting Physician) according to pre-determined instructions.
3. **View Reports –** enables the User to see which sleep studies have been analyzed and for which diagnosed sleep reports exist. The User may optionally elect to receive an email notification that a sleep study has been interpreted and diagnosed.
4. **Patients** – enables the User to see which sleep studies have been performed on patients, alter the patient's information or generate a follow-up sleep study for an existing patient.
5. **Manage Lists** – allows the user to manage the following lists:
   - Medications – enables the User to search for existing medications from global and office level lists and add new ones.
   - Diseases – enables the User to search for existing diseases from global and office level lists and add new ones.
6. **Contact** – for help with any problems you experience with CloudPAT, please contact us by clicking the "Contact Us" link from any window. This link creates an e-mail sent to Itamar-Medical CloudPAT Support. Use the form shown in Figure 9 to send us a message with your problem description. The e-mail sent to us will include information about the web page the user viewed when he pressed "contact us". This will help us locate and understand the problem.

Figure 8: Home (Lobby) screen

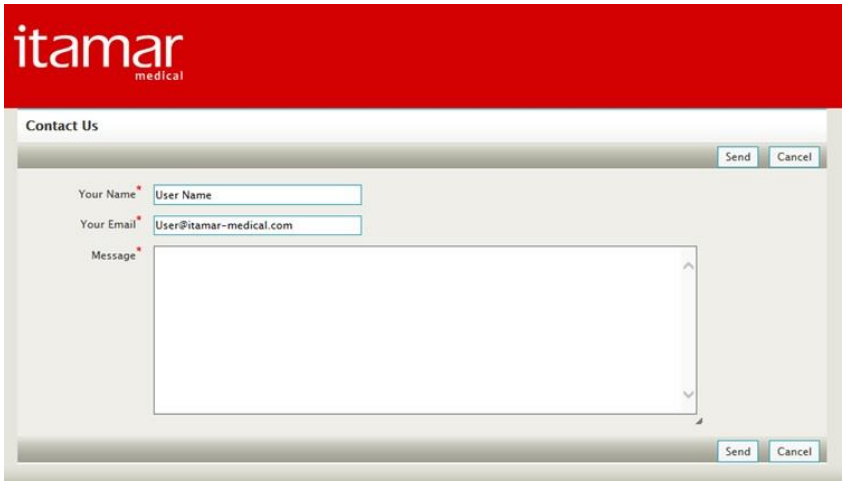


Figure 9: Contact Us screen

3.2. Create New Study and manage patients

In order to prepare WatchPAT™ device for a new study select "Create New Study" from the Home screen (see Figure 10). This will create a new patient record and open the patient screen (see Figure 13).

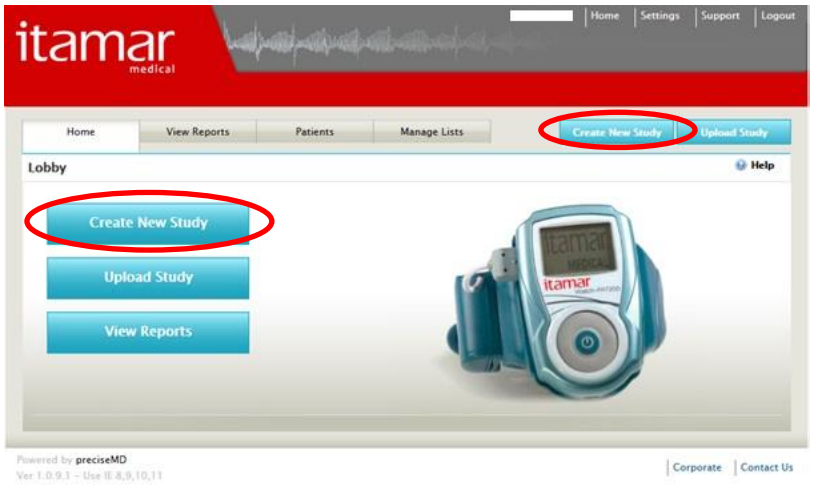


Figure 10: Create New Study selection

You may browse or edit existing patient details by pressing "Patients" from the main screen which will display the Search for Patients screen (see Figure 11). Click "Search" to see a list of all patients (see Figure 12). You can enter filters (patient ID, name, office, etc.) to limit the search results.

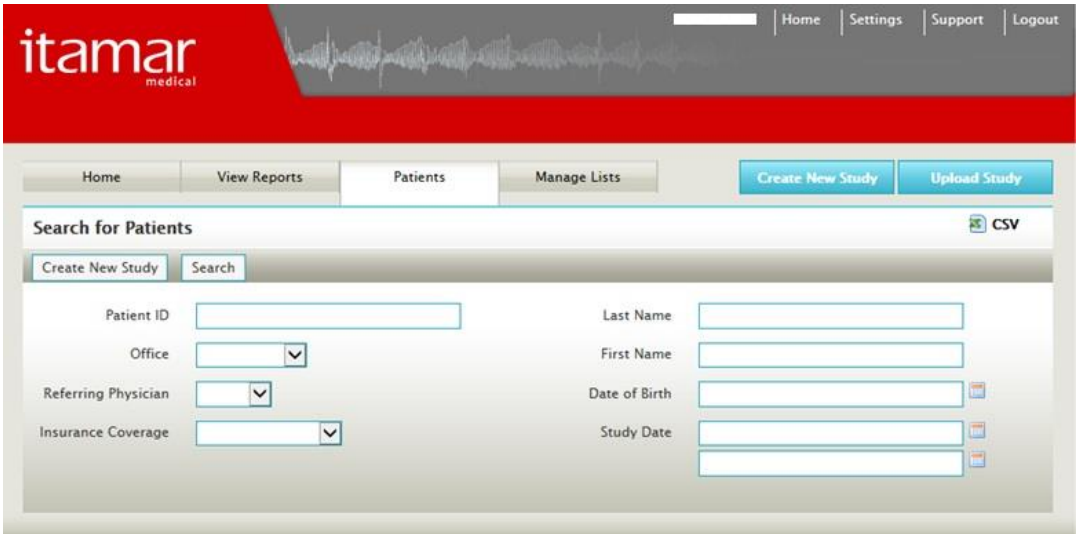


Figure 11: Search for Patients screen

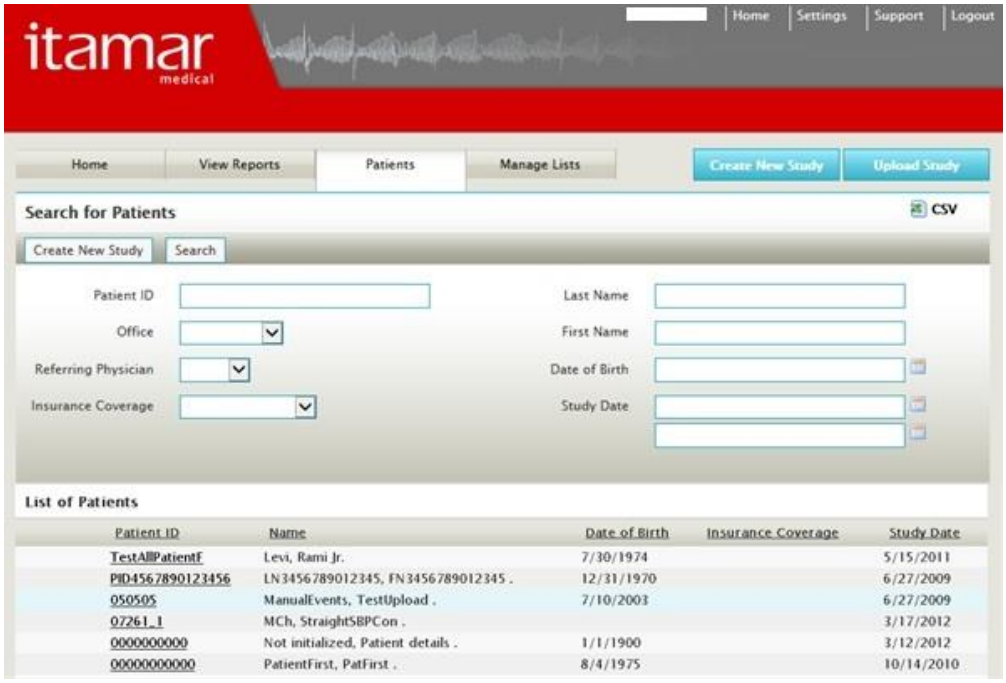


Figure 12: Search for Patients screen

Selecting a Patient ID, will display the patient's details screen (see Figure 13).

3.2.1. Preparing for a New Study

The following steps are involved in preparing for a new study:

1. Fill the **mandatory Patient ID** in the Patient fields as in Figure 13.

	Note Patient ID cannot be changed once a device was initiated.

	Note Users that are associated with more than one office will have to choose an office as well.

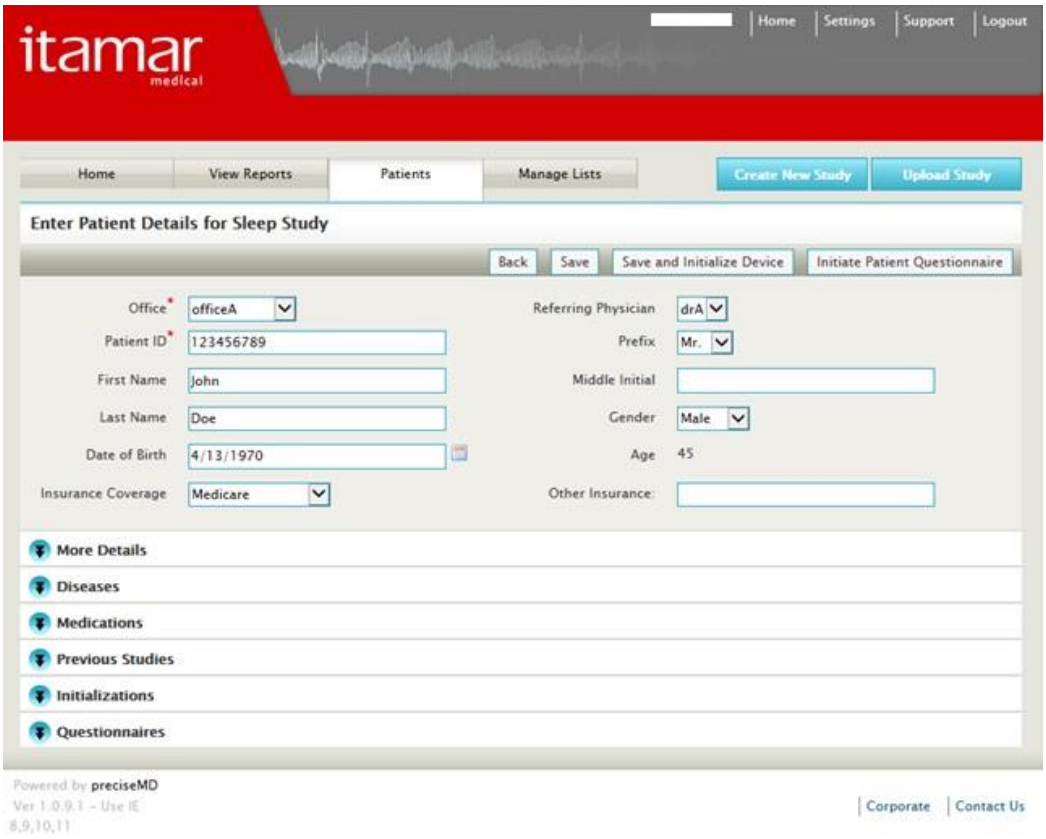


Figure 13: Patient data entry screen

2. It is recommended you save the patient record at this stage, by pressing the 'save' button on the top (see Figure 13). You can save the patient record at any stage and return to it later from the "Patients" screen.

	Note Once the system saves the patient details the system checks the values of the entered fields. Erroneous fields and empty mandatory fields will be highlighted in red. Correct the errors and proceed.

3. Insert additional information as needed, the rest of the fields are optional, but filling the patient name is recommended for easier patient

management.
You may insert additional information after the study is saved to the device if necessary, this information will be updated in the report as long as the report has not been signed yet.

4. More Details (optional): Figure 14 shows the ability to add More Details as the following:
    - Patient demographics.
    - Contact details.
    - Sync Clock – select this option if the WatchPAT device clock needs to be set.
    - Bracelet Study (available only if office setting permits) - from this screen you may require a **Tamper proof Bracelet** to be used as Positive Chain of Custody in Occupational Testing (e.g., truck drivers. See WatchPAT™ user manual for further details).
    - Pacemaker (available only if office setting permits) – select this option if the patient has an implantable pacemaker. The CloudPAT will automatically detect segments where the PAT pulses seem to be paced i.e. very low pulse rate variations (near to stable) and exclude these segments from the analysis.

Note

Some types of pacemakers are excluding the use of the WatchPAT device. See the **exclusion criteria** section of the device operating manual for more details.

- If the office setting permits Multiple Nights Study: in order to run up to 3 nights recording with the same WP200 device, select the number of nights needed. There are two options for Multi Nights study:
    - Two nights when no charging is needed between the nights (maximum length of study is approximately 8 hours)
    - Three nights when charging is necessary between the nights (maximum length of study is approximately 10 hours)

Note

Changing the number of night in a multiple night study might require longer initiation of the device.

Note

The "Enable Tamper-Proof Testing" and "Enable Multiple Nights" options are available only when the WP200

	internal S/W is version 2.2182 and higher.

5. Diseases, and/or Medications can be added in the respective drop down lists or as free text.

	Note Free text entered to lists will automatically be added to the office's list. You can add/update and remove items from the office lists – see section 3.5 for more details

.

6. You will be able to let the patient fill a **STOP BANG** questionnaire: click on "Initiate Patient Questionnaire" in Patient Details page, to receive an individual code, which will be valid for 20 minutes only.

	Note Once the patient starts the questionnaire, he/she has 20 minutes to complete it. If they don't complete it in that time, a new code will need to be generated from within the Patient Details screen.

Go to: https://cloudpat.precisemd.com/SB.aspx or click the STOP-BANG link shown on the CloudPAT Sign In screen (see Figure 1), and after inserting the code, the patient will be able to start the questionnaire.

	Note If the patient will use the same computer as you, make sure to logout from the system, close the browser and reopen a browser before handing the computer to the patient, to ensure data safety.

The questionnaire will be viewable in the patient screen form after patient submitted the questionnaire. The last questionnaire of the patient will also be viewable by the Interpreting Physicians the study will be sent to.

	Note Patient filled information will update any empty fields in the patient record, but will not update fields that already had data in them. If you want to update the patient record based on the newly entered information you will need to do it manually.

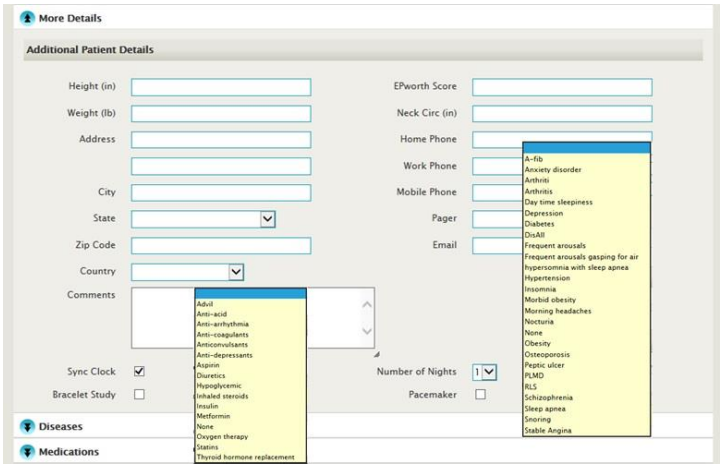


Figure 14: More Detail screen for patient data (optional)

7. Once the study definition is completed, press "Save and Initialize Device" (see Figure 13).
8. The system will prompt you to verify that the WatchPAT™ device is connected to the computer and then you should continue by selecting "Proceed with initialization" (see Figure 15).

Note

The first time you run the initialization process, a one-time PC-resident program will be downloaded (see Section 3.2.2).

9. A pop-up application will open and manage the initialization of the device. See section 3.2.3 for error handling in different cases.

Note

Make sure to connect the device, perform a device test and guide the patient before handing out the WatchPAT™ device. Refer to the WatchPAT™ operation manual for more details.

10. The system will prompt you once the initialization process is completed. Then you will be asked to select an Interpreting Physician for this study. You will be able to change the Interpreting Physician during the upload process and later on, once the study is uploaded from the study page. As long as there is no Interpreting Physician (leaving this field empty) the report is not sent for interpretation and final report cannot be generated.

    It is recommended to review the study and correct all the patient and study information that needs update before sending it to Interpreting Physician.

Note

There are few patient details that might change the analysis. See section 3.4.2.6 for more details.

Note

The office can update the patient's details as long as the report wasn't electronically signed. Once the report is electronically signed, the modified patient data will not be included in the report.

To prevent double work for the Interpreting Physician and the need to open signed report, it is recommended to not assign the study until all patient and study fields are updated correctly.

Note

If the office defined Interpreting Physician as Medicare Physician Interpreting, it will be indicated next to his name while selecting Interpreting Physician from the list.

Figure 15: Initialize Device screen

3.2.2. First Time Initialization

The first time you run the Initialization process, a small one-time PC-resident program will be downloaded from CloudPAT (see Figure 16). If your system asks you for permission to run this application, please enable to process by clicking "Run" as it is required for the successful connection to the WatchPAT™ device.

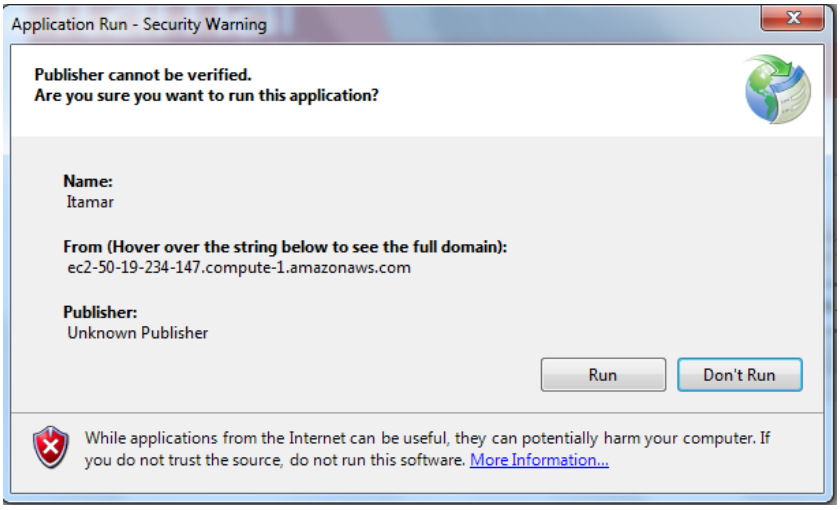

Application Run - Security Warning
Publisher cannot be verified.
Are you sure you want to run this application?
Name:
Itamar
From (Hover over the string below to see the full domain):
ec2-50-19-234-147.compute-1.amazonaws.com
Publisher:
Unknown Publisher
Run
Don't Run
While applications from the Internet can be useful, they can potentially harm your computer. If you do not trust the source, do not run this software. More Information...

Figure 16: Message to download the PC-resident program

3.2.3. Initialization Process Protection

Overwrite protection: If a previous study was found on the WatchPAT™ device that was not uploaded to CloudPAT, it will not permit you to overwrite that data but will prompt by saying "Previous study found" (see Figure 17) and that you should upload the study before proceeding. This behavior prevents you from accidental overwriting a study that was not uploaded.

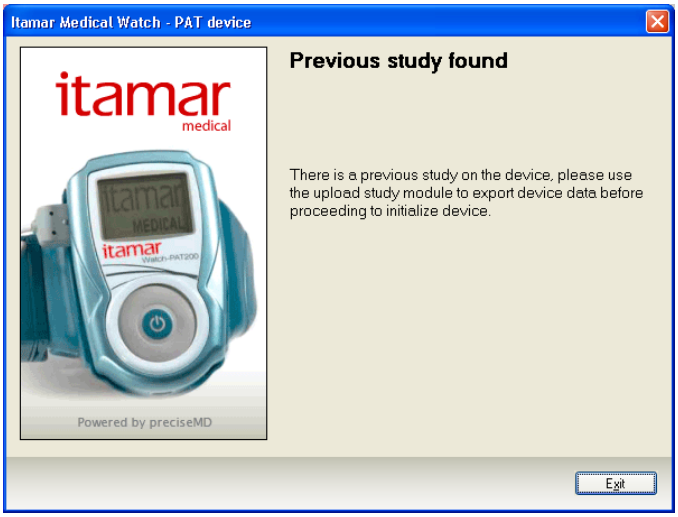

Itamar Medical Watch - PAT device
itamar
medical
Powered by preciseMD
Previous study found
There is a previous study on the device, please use the upload study module to export device data before proceeding to initialize device.
Exit

Figure 17: Protection from accidentally overwriting previous sleep study

3.3. Uploading a Study

This section covers uploading a study from the device and manual upload of study (for zzzPAT users).

3.3.1. Normal upload Mode

When a patient returns WatchPAT™ device after a night study, simply connect WatchPAT™'s mini USB port to any USB port on the PC by using WatchPAT™'s communication cable and select "Upload Study" from the Home Screen (see Figure 18).

Figure 18: Upload Study Selection

Proceed by selecting the "Proceed with upload" button (see Figure 19).

Figure 19: Upload Study Dialog box

A small PC-resident program will be downloaded the first time remote access is requested from CloudPAT (see Figure 16) and select "Run". During the upload process you will see a screen informing that upload is in progress.

Note

When a multi-night study is loaded all the night recordings are loaded automatically.

While uploading, the following dialog (see Figure 20) will be displayed.

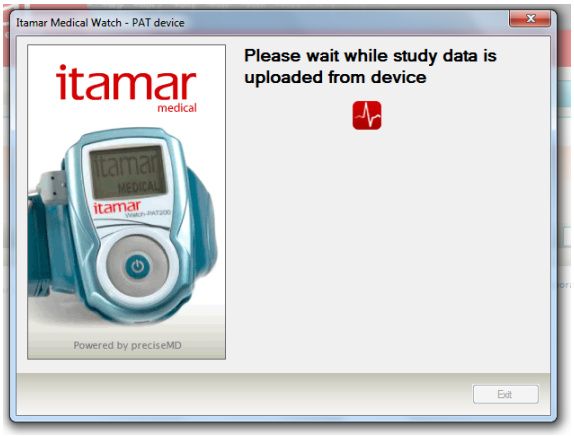


Figure 20: Patient sleep study upload in progress

Note

Depending on your connection speed to upload, the number of nights included in the study and the type of device, the upload time will vary between 2 and 15 minutes.

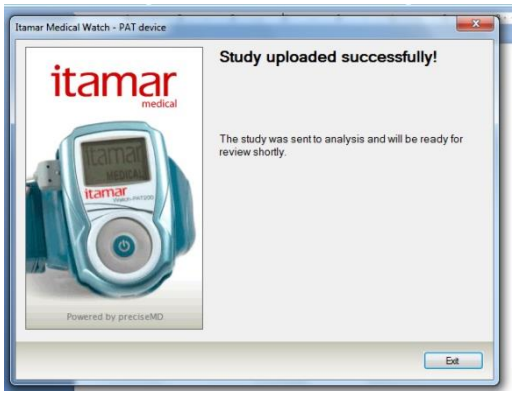
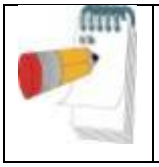

Itamar Medical Watch - PAT device
itamar
medical
Study uploaded successfully!
The study was sent to analysis and will be ready for review shortly.
Powered by preciseMD
Exit

Figure 21: Successful upload screen

If upload is successful you will be asked to approve or change the Interpreting Physician selection (see Figure 22) from a list of Interpreting Physicians which were defined for your office.

Figure 22: Select Interpreting Physician Dialog box



Note

Users connected to two or more offices might be asked to select an office for the upload.

At the end of the upload process you will receive the message: "Upload Complete: Study uploaded successfully. The analyzed data file will be ready shortly under View Reports". If the data was assigned to be sent to an Interpreting Physician the message will also include "Data has been sent to be reviewed by [*Interpreting Physician's name*]" (see Figure 23).

Figure 23: Upload complete screen

If an error is reported, you will need to try again (see Figure 24).

Figure 24: Upload failed screen

Once you upload a study you can choose to add documents to it, see section 3.4.2.2 for more details. These documents will be available for the Interpreting Physician to review when preparing the report. Once the Interpreting Physician locks the report, the Office is no longer able to attach further documents to the patient record.

3.3.2. Manual Mode

In the rare event that a "manual" upload is needed (such as when an internet outage occurred and sleep study was uploaded locally using zzzPAT), select "Switch to Manual Upload" in which case the following files: patient.dat, sleep.dat and if existing also log.dat, sleep1.dat and sleep2.dat (for multi night studies) should be

concatenated into a single .ZIP file and uploaded this way. You may press "Browse" for the "Combined zzp file" (ZIP) file location and press "Next" (see Figure 25). See Appendix **A:** Exporting a study from **zzzPAT** to CloudPAT Guide for more information about how to export a study from zzzPAT,

Home
View Reports
Patients
Manage Lists
Create New Study
Upload Study
Manual Upload
Next
Please zip (compress) the following files from the WatchPAT device: Patient.dat, Sleep.dat, Log.dat (if it is exists) into a single file then press choose file, select the file and press Next to continue
Combined zzp file*
Browse...

Figure 25: Manual Upload

The rest of the upload process is the same as for the regular upload (selecting Interpreting Physician and onward).

3.4. Managing studies and Viewing Reports

3.4.1. Searching studies and reports

Clicking the "View Reports" gets the user to a search screen that enables viewing all or a subset of the studies and reports available to the current user (see Figure 26). Filtering by patient name and ID, Office, Referring Physician, study and load dates and the study / report status (study sent to Interpreting Physician, report ready, report viewed) are available.
The patient ID in the search result is a link to the study record.

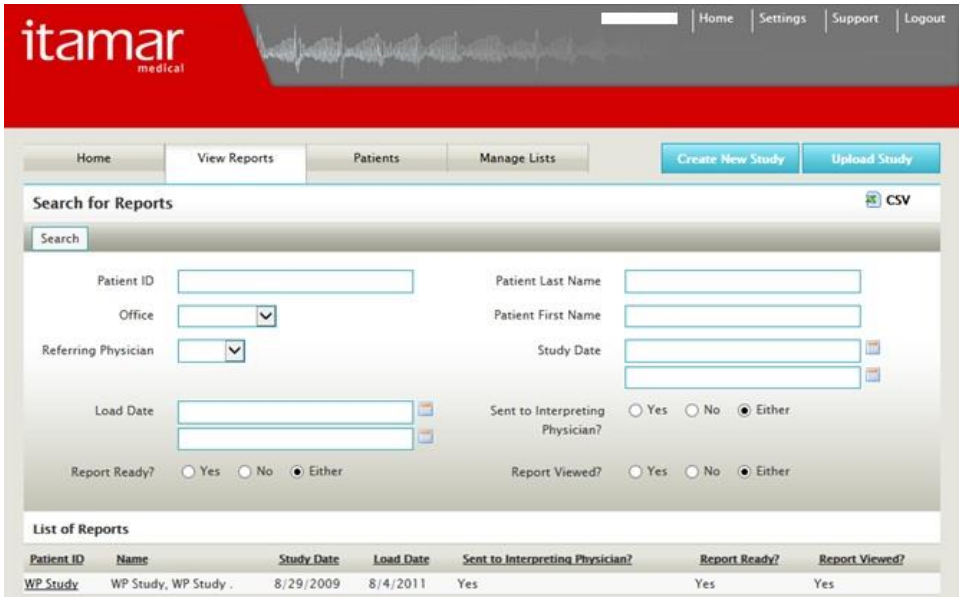


Figure 26: Viewing Sleep Study Reports

Search results can be exported to a CSV format.

3.4.2. Study management

Once a study is uploaded and until the Interpreting Physician locks the report, there are several tasks that a user can do.

3.4.2.1. Understanding the Study screen

Figure 27 shows the study screen on unlocked study (no report yet).

This screen presents information about the study – patient information (the patient name is a link to the patient record and any information modified in the patient record will be reflected in the report until the report is locked), study date, assigned Interpreting Physician, Minimum % of Desaturation for AHI/RDI calculation, analysis status, report status and errors or warnings returned from the analysis. You can indicate to the Interpreting Physician that a script is required for this study and attach files for the Interpreting Physicians review.
Information can be also found about the assignment history.

If the office settings allows you can see the Analysis File under “Files”.

Most of the fields are not editable. The next few sections present what can be done in this screen.

Note

To prevent double work for the Interpreting Physician and the need to open signed reports, it is recommended to not assign the study until all patient and study fields are updated correctly and all the relevant files are attached.

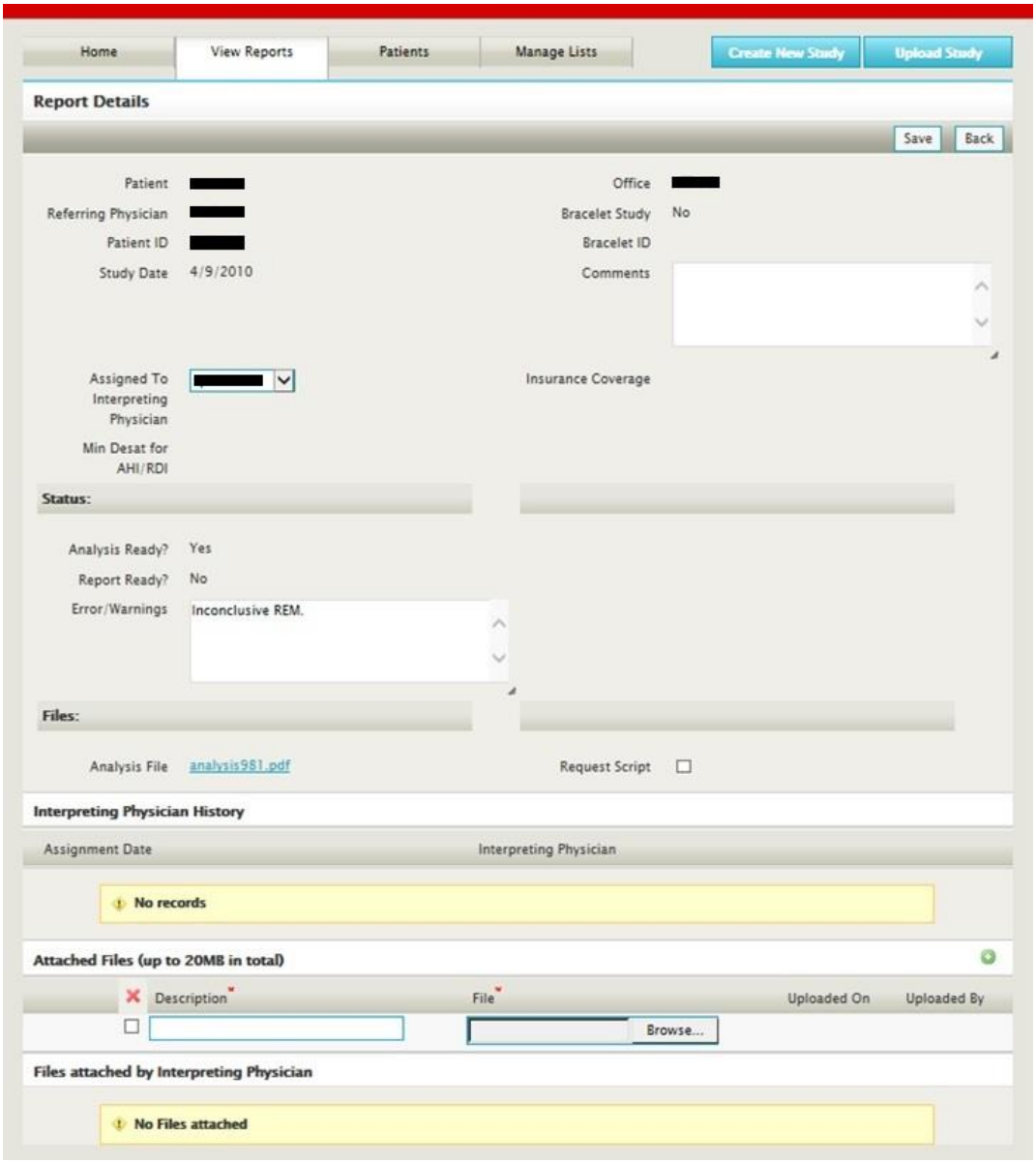


Figure 27: Study screen

3.4.2.2. Attaching files to a study

Once a study is uploaded, and as long as the report is not locked, the user can choose to add documents to it. These documents will be available for the Interpreting Physician review when preparing the report.
To attach a file – enter a description and select the file to be uploaded using the Browse button. To add additional files click the ⊕ icon at the top of the list and a new line will be added to the table.

Note

The maximal size of all attached files is limited to 20MB.

The user can also remove attached files by marking them for deletion (see Figure 28).

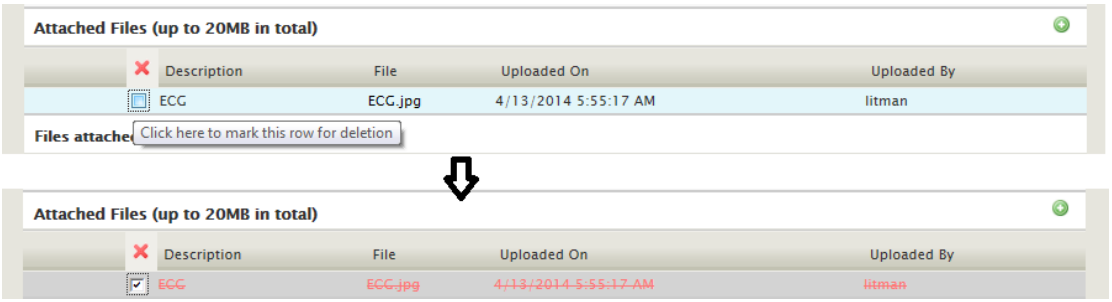


Figure 28: Deleting attached files.

Save the study by pressing the "Save" button on the top of the screen to complete uploading the attached file and to remove deleted files.

3.4.2.3. Changing Interpreting Physician and viewing assignment history

The user can assign a non assigned study to any of the Interpreting Physicians connected to the office.
The user can view Assignment History to see how long a study is waiting for an Interpreting Physician in an Interpreting Physician queue. Based on that information the user can also change the assignment between the different Interpreting Physicians connected to the office.

Notification of a new study will be sent to the Interpreting Physician only in the first assignment of the study, in all later assignments the study will simply appear in the new Interpreting Physician queue and disappear from the old Interpreting Physician queue.

Note

It is up to the user to verify the old and new Interpreting Physician are notified about the change, and to check there will be no surplus charges for the interpretation of this study as 2 Interpreting Physicians have seen it.

3.4.2.4. View analysis file

Some offices have settings that allow their users view the analysis file (pages 2 and 3 of the report) before the report is ready. This setting is usually given to sleep labs using the CloudPAT where the expertise needed to understand the results are part of the office skill sets.
Users of such offices can click the analysis file link to open pages 2 and 3 of the report immediately after uploading the study.
When a multi-night study is uploaded, all the reports of the night studies results will appear in one analysis file one after another, with a summery page in the end.

3.4.2.5. Request for a script

In case Interpreting Physician should add a script to the report, check the "Request Script" box. Save the study by pressing the "Save" button on top of the screen to complete sending the request to the Interpreting Physician.
The Interpreting Physician will get a reminder to add a script upon locking the report.

3.4.2.6. Changes of Study Parameters

The user can change patient information and some study parameters as long as the report is not close. Some of the parameters will require running the analysis again:

- AHI index – according to 3% or 4% desaturations.
- Pacemaker – this option is shown only if the feature is enabled.
- Gender
- Date of Birth

After making changes to these parameters (whether in the patient screen or in the study screen), the user should rerun the analysis to get the new correct results (see Figure 29). A reminder about the need to rerun the analysis will appear on the top of the page together with an option to rerun the analysis. Once reanalyze a notification will be sent to the Interpreting Physician.

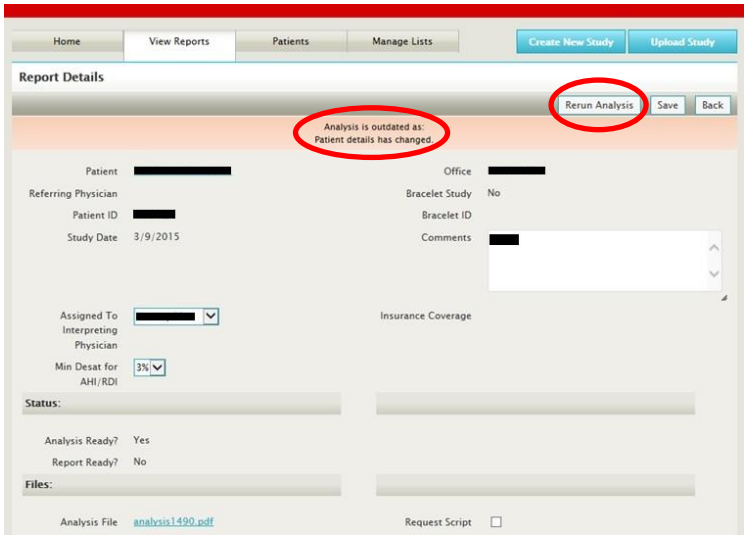


Figure 29: Rerun Analysis Message

3.4.3. Viewing reports

After a patient sleep study has been sent to your Interpreting Physician for review and interpretation, and the Interpreting Physician has reviewed and finalized the report, the user who uploaded the study will receive an email notification that your patient sleep study report is available.
Alternatively, you may poll the system by pressing "View Reports" from the main screen which will display the newest studies (as well as a list of previously viewed sleep study reports).
After selecting a Patient ID from the list of reports, you will be brought to the report screen (see Figure 30) from which you can review the signed sleep study report and the attached files.

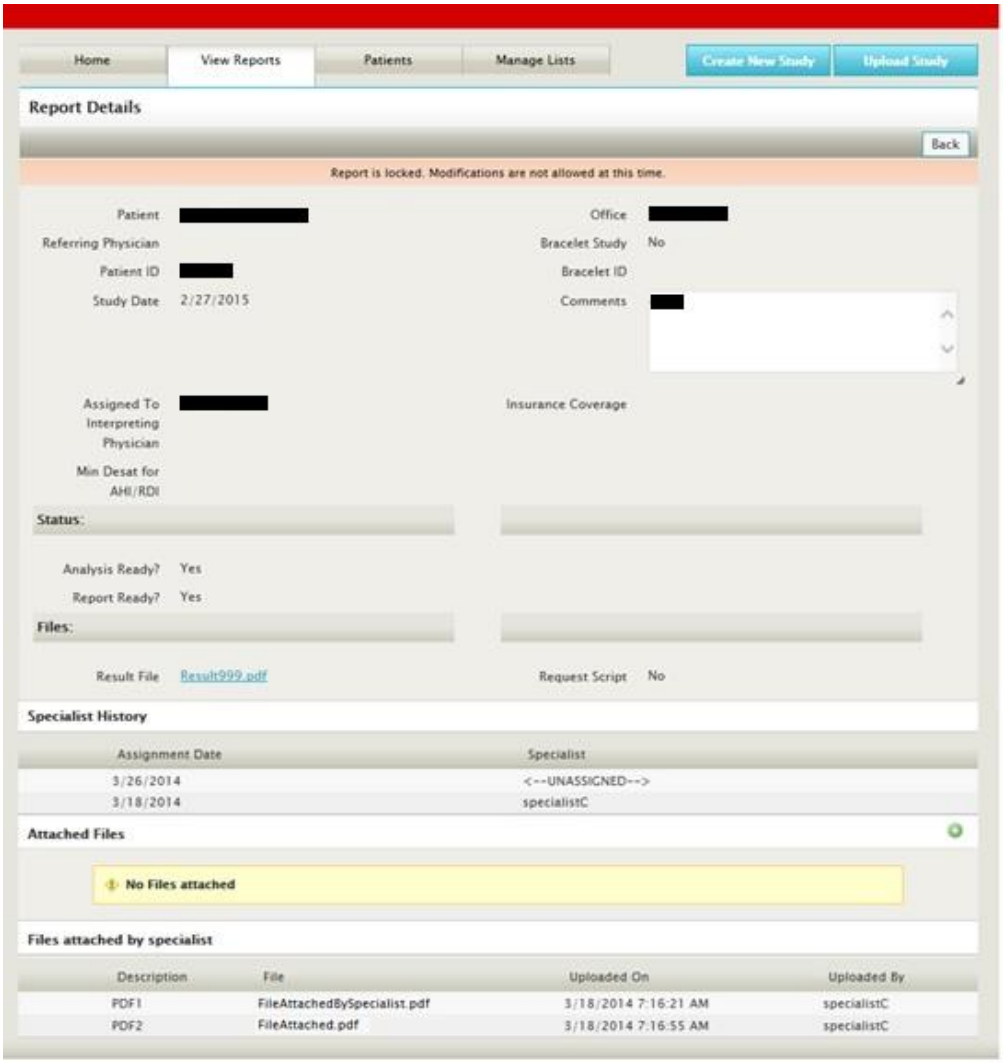
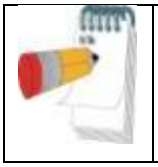


Figure 30: Report Details for reviewing sleep study reports

Simply click on the "Result File" link for a details report complete with comments and diagnosis from the Interpreting Physician. PDF file attachments added by the Interpreting Physician will be appended at the end of the report. Other attachments (non PDF) will only be viewable by downloading them (clicking on the link to the file).
In case of multi-night study, the analysis of each night will appear one after another in the report, followed by a summery page at the end.



Note

Contact Itamar Medical support for other file type options of report availability.

3.5. Manage lists

This section explains how to manage the office's lists of medications and diseases. The user can add items to the list and edit or delete them. Selecting the "Manage Lists" tab will open up a search screen in which the user can choose between medications and diseases (see Figure 31).

Notice that each list contains both the office list and a global list for the whole system. Items in the global list cannot be changed.

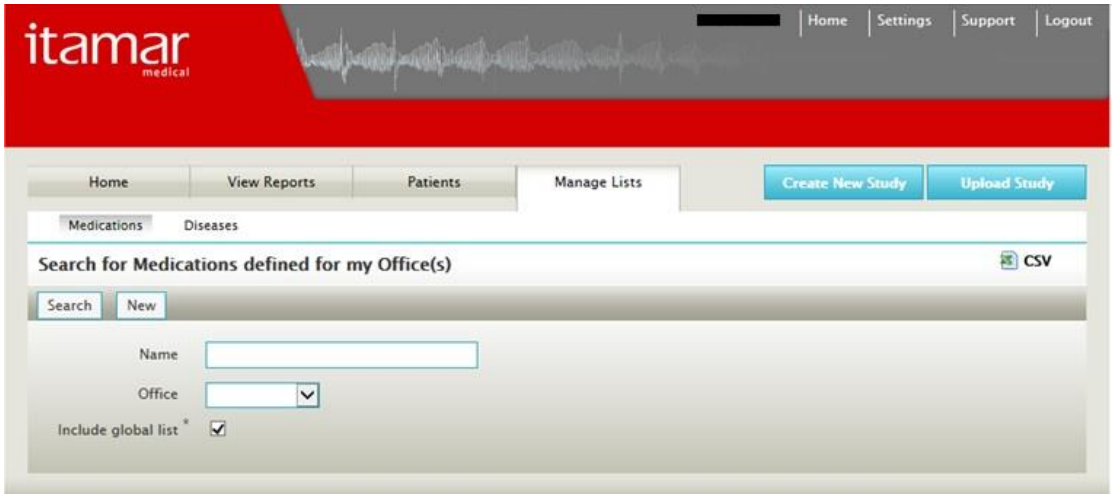


Figure 31: Manage Lists screen

3.5.1. Medications

Under "Manage Lists" choose "Medications". Click on the "Search" button to see the list of all medications (see Figure 32). You can enter filters (medication name, office, include items from the global list) to limit the search results. Clicking on an existing medication name will display the medication's details screen, in which you can delete or edit details and save the changes (see Figure 33).

Note

Click on the CSV icon if you want to obtain an Excel file containing a tabular presentation of the search results.

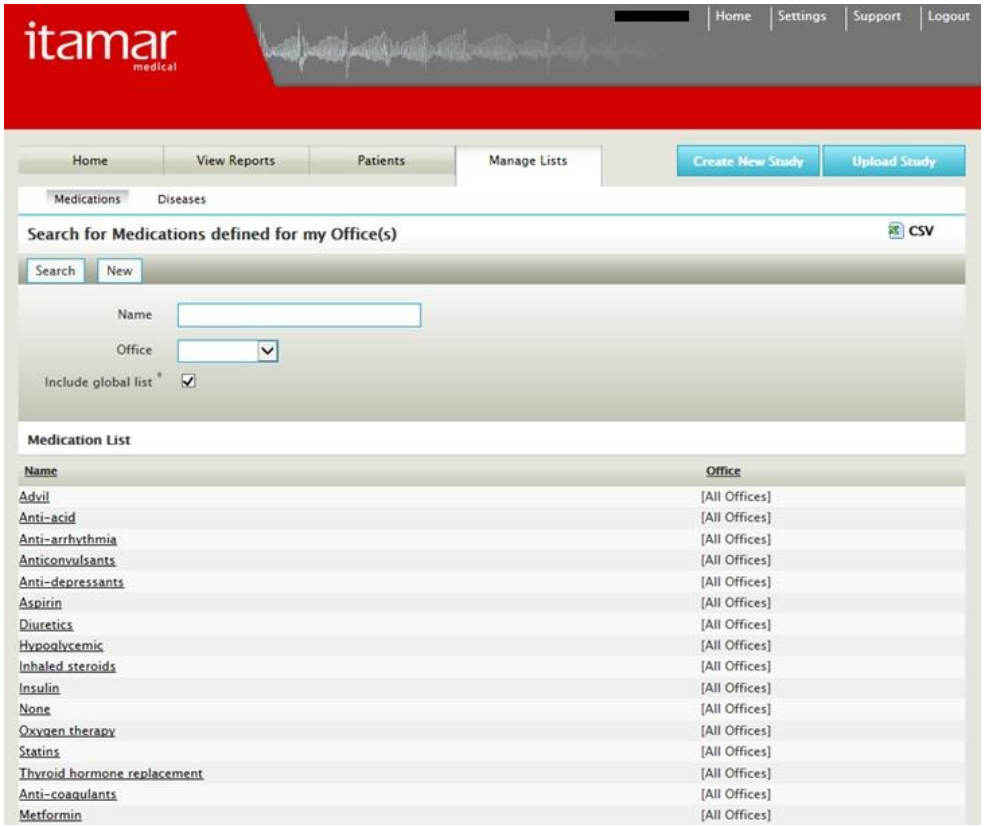


Figure 32: Search for medication screen

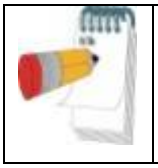
Figure 33: Medication Details screen

On "New" tab you can add a new medication to the list. If you are connected as user to more than one office, you will be asked to select the office for which the medication will be added. Do not forget to click save after you add or change an item (see Figure 34).

Figure 34: New Medication screen

3.5.2. Diseases

Under "Manage Lists" choose "Diseases". Click on the "Search" button to see the list of all diseases (see Figure 35). You can enter filters (disease name, office, include items from the global list) to limit the search results. Clicking on an existing disease name will display the disease details screen, in which you can delete or edit details and save the changes (see Figure 36).



Note

Click on the CSV icon if you want to obtain an Excel file containing a tabular presentation of the search results.

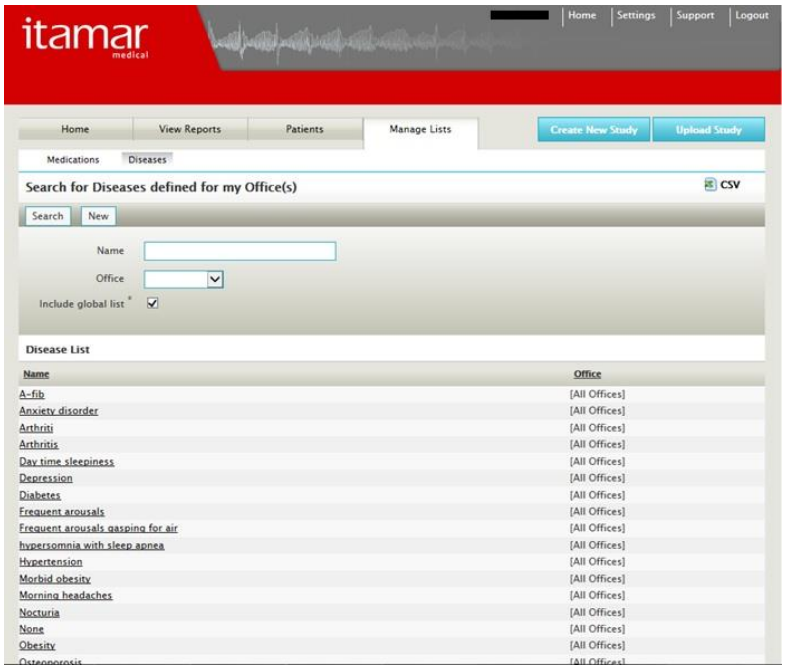


Figure 35: Search for diseases screen

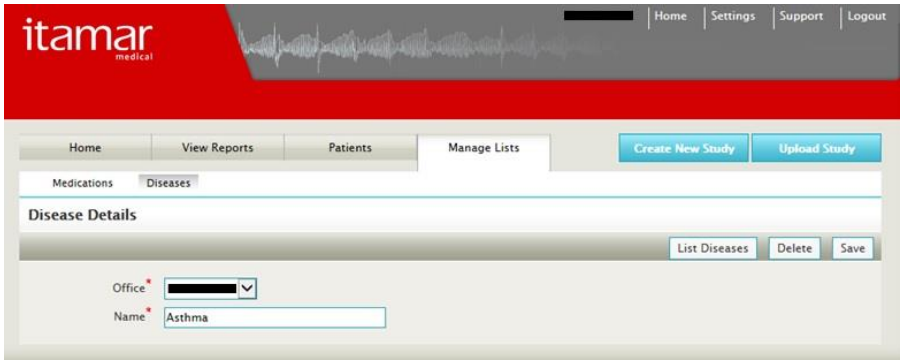


Figure 36: Disease Details screen

On "New" tab you can add a new disease to the list. If you are connected as user to more than one office, you will be asked to select the office for which the disease will be added. Do not forget to click save after you add or change an item (see Figure 37).

Figure 37: New Disease screen

4. Using CloudPAT as an Interpreting Physician

4.1. Main Access Screen

When you sign in CloudPAT as an Interpreting Physician you will be presented with the Interpreting Physician's Home screen (see Figure 38).
Here are the main actions that can be selected from this screen:

1. **Review studies** – reviews new or displays completed studies.
2. **Manage templates and NPIs –** defines new or edits existing NPIs and templates used for Clinical diagnosis and recommendations while reviewing studies.
3. **Contact –** for help with any problems you experience with CloudPAT, please contact us by clicking the "contact" link from any window. This link leads to Itamar-Medical CloudPAT Support. Use the form shown in Figure 39 to send us a message with your problem description.

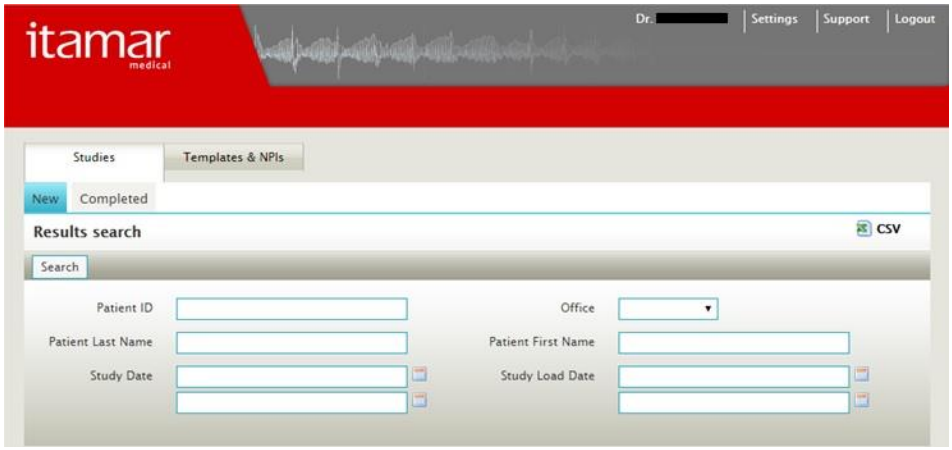


Figure 38: Interpreting Physician's Home screen

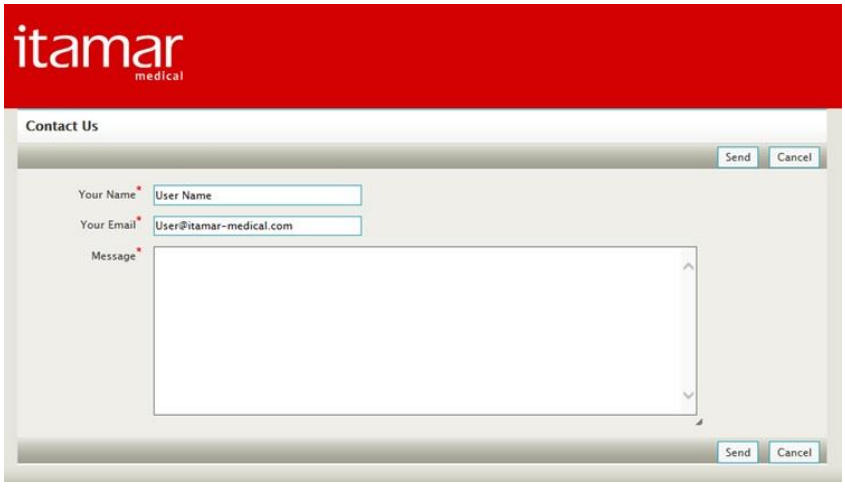


Figure 39: Contact Us screen

4.2. Studies

After a patient sleep study has been sent for interpretation, you will receive an email notification that a sleep study is awaiting interpretation. Alternatively, you may poll this by pressing on the "New" tab from the main screen which will display the new studies screen (see Figure 40) which includes all unlocked studies waiting for you.

You may also select the "Completed" tab for viewing completed (signed) sleep study reports. You have the option to review subsets of your studies by selecting a particular Office, Patient name, etc. (see Figure 40).

Note

Click on the CSV icon if you want to obtain an Excel file containing a tabular presentation of the search results.

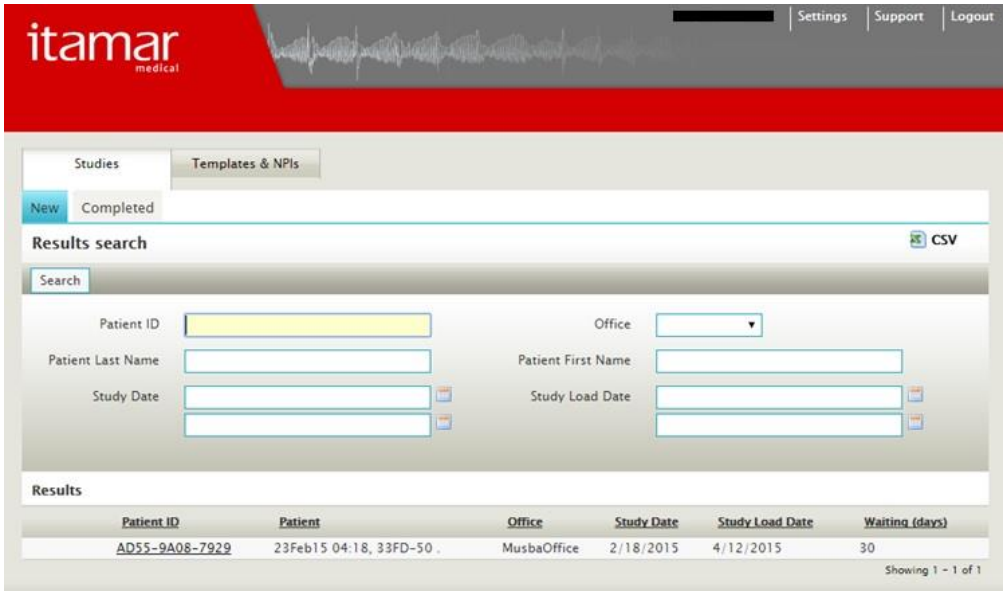


Figure 40: Study selection screen

4.2.1. Reviewing a Study

When you are in "New" studies tab, selecting a study you want to review (clicking on the Patient ID link), will display the following screen (see Figure 41) from which you can review the new sleep study.

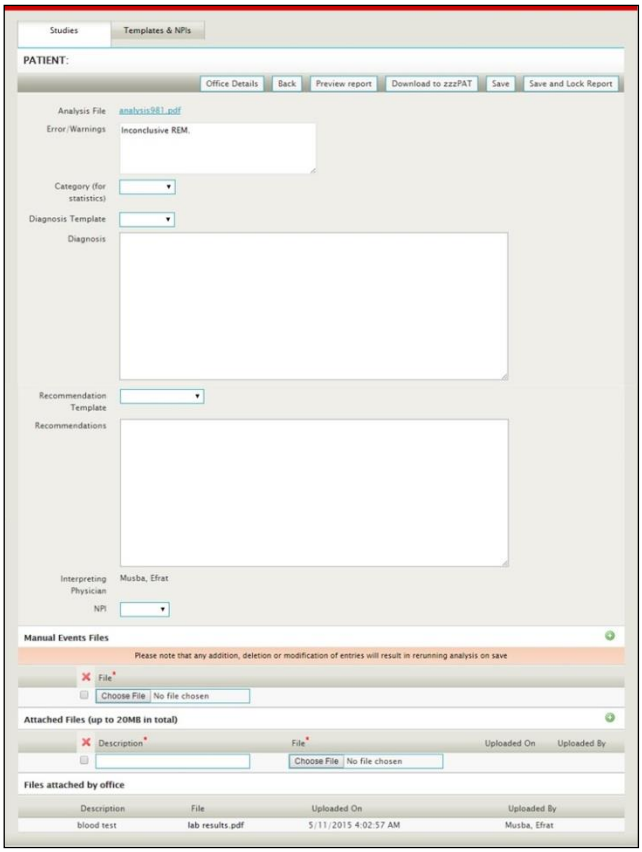


Figure 41: Review a new study

Here are the main actions that can be selected from this screen:

1. **Analysis File link** - you can Click on the Analysis File link in order to see the two page report (or more in case of a multi night study) that was produced automatically by CloudPAT. According to the Respiratory indices, various statistics and sleep stages you will be able to make your interpretation and fill in the Diagnosis and Recommendations sections (see Figure 41).
2. **View Questionnaire –** if the patient filled a STOP BANG questionnaire, you will be able to view the results by clicking the "View Questionnaire" button.
3. **Office Details –** by clicking the "Office Details" button, you can see the following details of the office that sent the sleep study: Name, Address, City, State, Zip Code, Country, Phone and Minimum % Desaturation for AHI/RDI calculation.
4. **Preview report** - You can click the "Preview report" button in order to see the first page of the final report. This page will present to you patient information as well as your interpretation as it was last saved (see Figure 43).

5. **Download to zzzPAT** - if you wish to see more details on the study's signals or to review and edit the events, you can use the "Download to zzzPAT" function in order to download a copy of this study to your local computer.

Note

On first use configure the zzzPAT to allow interpretation for CloudPAT studies:

go to: "Setup"→ "General Settings"→ "General Options", then check the "Enable Packed Studies Import" checkbox and go to "Setup"→ "User Settings"→ "Options", then check the "Enable Manual Scoring" and the "Enable Export Manual Events" checkboxes.

Once the study files are downloaded, you can use the "Import Packed study" zzzPAT's function in order to open the study, view the signals and edit the Respiratory events or sleep stages if needed (see zzzPAT's OM).

Note

You should make sure that the zzzPAT has the same AHI calculation method (3% or 4%) setting as the study:

- In the Analysis File look for the "*pRDI/pAHI are calculated using oxi desaturations* ≥ " number
- In the zzzPAT look at "Setup"→"General Settings"→"Analysis/ Statistics Parameters".

6. **Errors/Warnings –** in case of errors or warnings returned from the analysis, a message will appear in the Errors/Warnings box.
7. **Load Manual Events and Reanalyze** - in case you used the "Download to zzzPAT" function and manually edited the Respiratory events or sleep stages you will be required to save the new manual events file (in zzzPAT press "File" → "Export Manual Events…") and then point to this file when clicking browse on the "Manual Events Files" field (see Figure 41). This action will re-analyze the study using your input and will generate an updated sleep report. You may review the new report by clicking on the Analysis File link.

Note

Make sure to upload the correct manual event file. The filename will be comprised of

ID_[*patient ID*]_
SD_[*stusy Date & time*]_
events_analysis_user.zpt

other file will generate an error during the post upload analysis and will not change the analysis file

Note

In case of a multi night study – you can upload a manual event file for each of the nights. The system will know to link the files correctly.

8. **View files attached by the office** – if the office attached file to the study, you can view them by clicking on the file name in the attached file by office section.
9. **Enter interpretation** - Diagnosis and Recommendations by typing in the information in the relevant sections.
   You may use the Diagnosis and Recommendations templates if you wish to insert an already predefined paragraph in the corresponding section (See section 4.3).
10. **NPI** – you can add the NPI to the report. If you have more than one NPI, select the right NPI number that matches the office details.
11. **Add attachments** like prescription or any other files to the report. If you add PDF files they will be added to the report itself. Any other files will be available to download in the office.
    To attach files enter a description and select the file to be uploaded using the Browse button. To add additional files click the ⊕ icon at the top of the list a new line will be added to the table.
    The user can also remove attached files by marking them for deletion (see Figure 42).

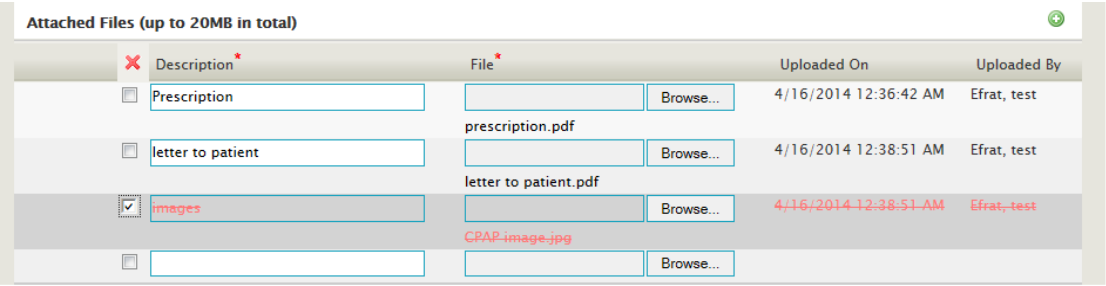


Figure 42: Attach files to a report

Save the study by pressing the "save" button on the top of the screen to complete uploading the file and to remove deleted files.

Note

The maximal size of all attached file is limited to 20MB

12. **Save** – saves your input without locking the report.
13. **Save and Lock Report** - finally when you are satisfied with your interpretation select the "Save and Lock Report" button. At this point the study report will be automatically digitally signed with your name, tagged as completed and be available for the Physician's review.

Note

Once a report is Locked no more changes can be added. Use the "Save" button if you are not sure if you are done with this study. If a report is accidently locked contact Itamar Medical in order to unlock it.

Sleep Study Report

OfficeA1Header1

OfficeA1Header2

Patient Information

First Name:	Jama	Last Name:	Dean	ID:	sample
Birth Date:	08/01/1990	Age:	21	Gender:	Female
Insurer:		BMI:	19.0 (W=121 lb, H=67")		
Neck Cir.:		EPworth:			

Address:

Sleep Study Information

Study Date:	02/26/2010	H/A Version:	2.2182/4.3.61.3

Referring Physician Information

First Name:		Last Name:	ProvA
Work Phone:		Mobile Phone:	
E-mail:		Fax:	

Medical Information

Medical History

Frequent arousals,

Medications

Thyroid hormone replacement,

Comments

Summary & Diagnosis

Suppine related apnea

Recommendations

refer to ENT.

Figure 43: First page of sleep report

14. **Notifications** – you may receive notifications which will be displayed on the screen in the following cases:
    - If a script was requested by the office, a "Study requires a script" notification will be displayed on the screen. Also, a reminder will appear before locking the report.
    - If the office changed one of the following analysis parameters: Minimum % Desaturation for AHI/RDI calculation, Pacemaker, Gender, Date of Birth, a rerun of the analysis is required to update the analysis result. In case rerun was not initiated by the office, a notification that rerun is required will be displayed on the screen and "Rerun Analysis" button will appear. You won't be able to lock the report before rerun the analysis.

Note

Manual events file are based on a specific analysis. Verify the manual events you are loading are based on the same parameters as the current study parameters.

4.2.2. Viewing a Completed Study

After selecting a Patient ID while on the "Completed" studies tab, you will be brought to the following screen (see Figure 44**Error! Reference source not found.**) from which you can view the old sleep study.

Here are the main actions that can be selected from this screen:

1. **Analysis File link** - you can Click on the Analysis File link in order to see the two page report that was produced automatically by CloudPAT (without your interpretation).
2. **View report** - you can click on the "View report" button in order to see the full final report (with your interpretation included).

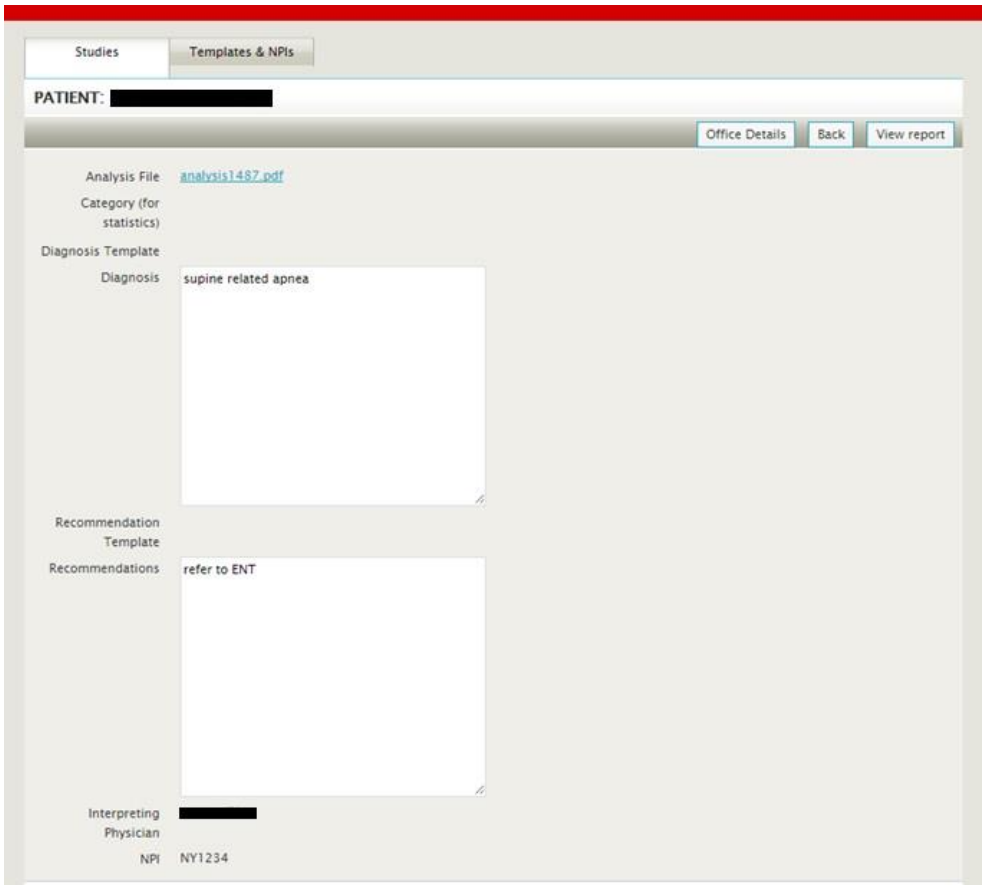


Figure 44: View a completed study

4.3. Manage Templates & NPIs

This section explains how to manage the lists of templates and NPIs each Interpreting Physician has. Selecting the "Templates & NPIs" tab will open up a search screen in which you can choose between templates and NPIs (see Figure 45).

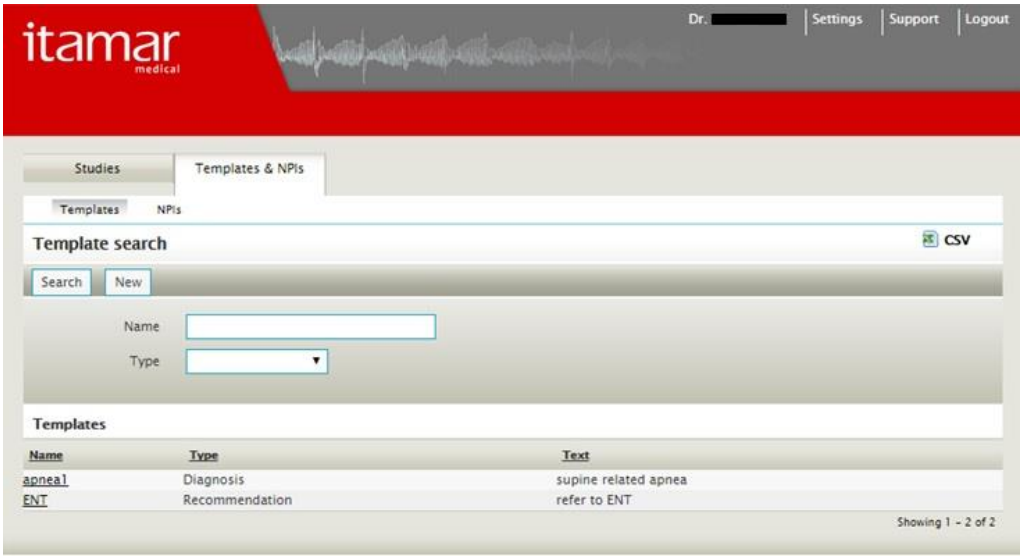


Figure 45: Templates & NPIs screen

4.3.1. Templates

Templates are predefined paragraphs ready for use while reviewing a study and entering the Clinical Diagnosis or Recommendations sections. For example, you may define a diagnosis template for Severe Sleep Apnea and a different one for Mild Sleep Apnea.
You may have a number of predefined templates for Clinical diagnoses and for Recommendations which can be used with a click of a button in order to facilitate the Reviewing process.
Using a template will fill the relevant section (diagnosis or recommendation) in the report. After choosing a template you may edit the text.

Selecting the Templates tab will open up the Template Search screen (see Figure 46**Error! Reference source not found.**).

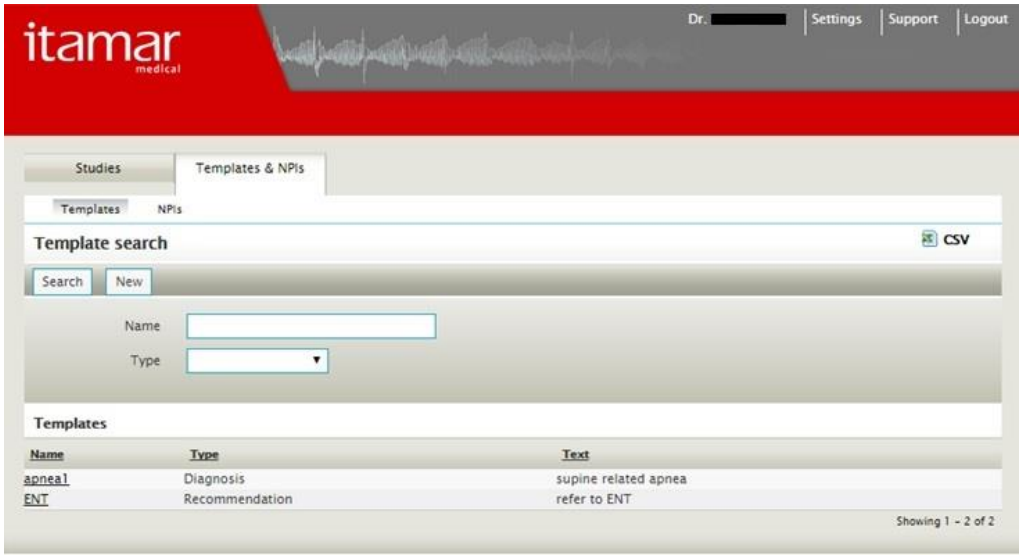
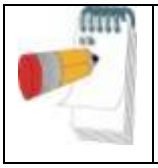


Figure 46: Search a template screen



Note

Click on the CSV icon if you want to obtain an Excel file containing a tabular presentation of the search results.

Clicking on the "New" button will open up a new template for editing (see Figure 47**Error! Reference source not found.**).

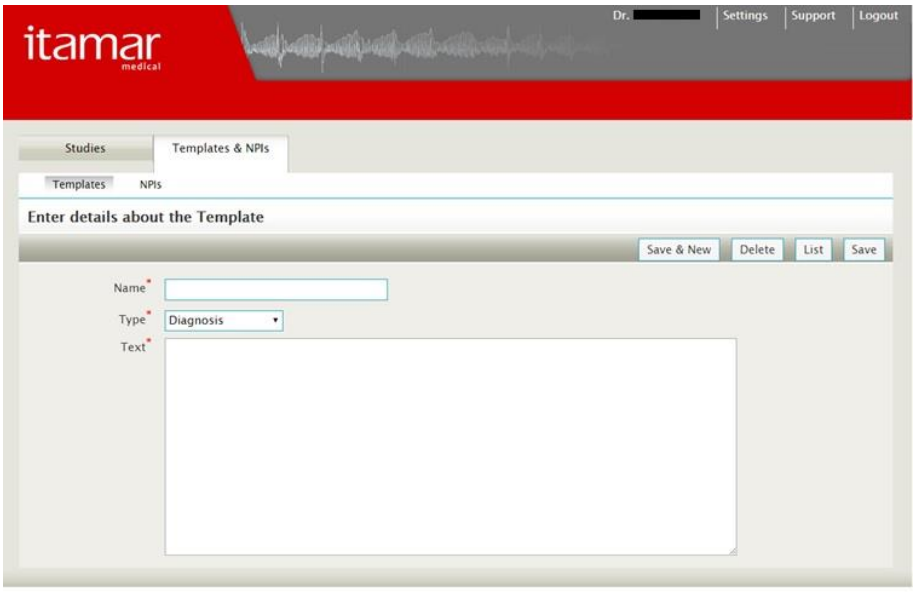


Figure 47: New Template screen

You need to fill all three fields (Name, Type and Text) in order to define the new template.
Clicking on an existing template name (see Figure 46**Error! Reference source not found.**) will open up the Template screen for editing (see Figure 48**Error! Reference source not found.**).

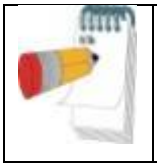
Here are the main actions that can be selected from this screen:

1. **Save & New** – Saves the template and creates a duplicate template**.**
2. **Delete** – Deletes the template.
3. **List** – Returns to the list of templates**.**
4. **Save** - Saves the template.

Figure 48: Existing Template screen

4.3.2. NPIs

You can manage a list of NPI to later be used in the report. Under "Templates & NPIs" choose "NPIs".
Click on "Search" to see the list of all NPIs currently in the system (see Figure 49).
You can also enter text in the NPI field to limit the search results. Clicking on an existing NPI will display the NPI's details screen, in which you can edit the NPI number and save the changes (see Figure 50).
Clicking on the "New" button can be used to add a new NPI to the list. Make sure you save your changes (see Figure 51).



Note

Click on the CSV icon if you want to obtain an Excel file containing a tabular presentation of the search results.

Figure 49: Search NPI screen

Figure 50: Existing NPI screen

Figure 51: New NPI screen

4.4. Signature

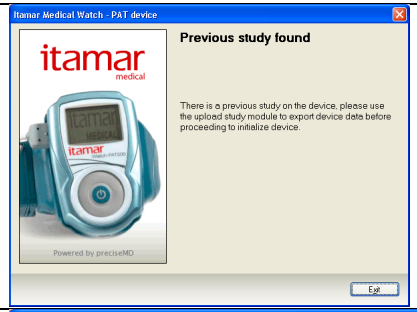
Interpreting Physicians can send Itamar Medical their signature sample as a graphical file. In this way, the Interpreting Physician's signature will be added to the report automatically. The file of the signature should be bmp or jpg file, size 384 pixels in width and 186 pixels in height. Contact Itamar-Medical support for more details.

5. Troubleshooting

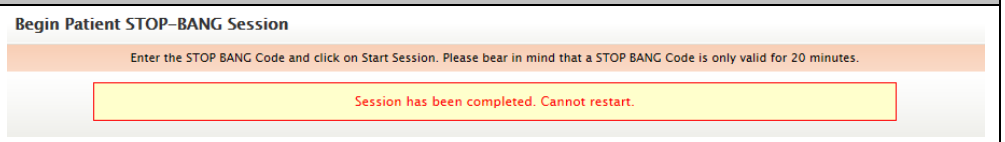
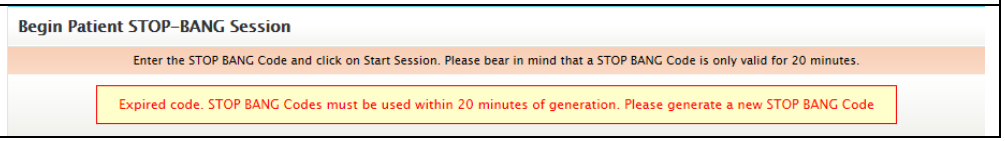
Note

Make sure you are using internet explorer as your browser.

Trouble	Possible Cause	Solution	Error Message
New Study screen			
Creating a new study timed out	You took too long in replying to a message that there is another study resident on WatchPAT™ device.	Re-run the initialization process a little quicker. If the problem persists it could be an internet connectivity problem so contact Support.	Initializion Timed out Initializing was cancelled, as the process took more than the allotted time. If this problem persists please contact customer support at 888-xxx-xxxx.

Previous Study found	There is a sleep study still on WatchPAT™ device that has not been uploaded from the device.	Press Exit and upload this old study.	
Could not access device.	The PC does not recognize WatchPAT™ device.	Make sure WatchPAT™ device is connected to the PC via the USB. Select Retry.	
Upload Study screen			
Failed to Send.	The station may not have Internet access.	• Check your internet connection • Repeat the upload process • Save the study using zzzPAT • Collect the data from the device manually by copying all the files on the device and zipping them. Use manual upload at a later stage to upload the data in to the CloudPAT.	
Failed to Send.	The Itamar Upload service is temporarily unavailable.		

		If you use this option contact Itamar-Medical support to reset the device.	
Failed to analyze a CloudPAT study. The error appears in the Report Details screen, and an email notification is sent to the user.	Mismatch between Patient.dat and Sleep.dat files.	Contact Itamar-Medical support for help.	
Could not access device.	The PC does not recognize WatchPAT™ device.	Make sure WatchPAT™ device is connected to the PC via the USB. Select Retry.	
Attach files to a study or a report			

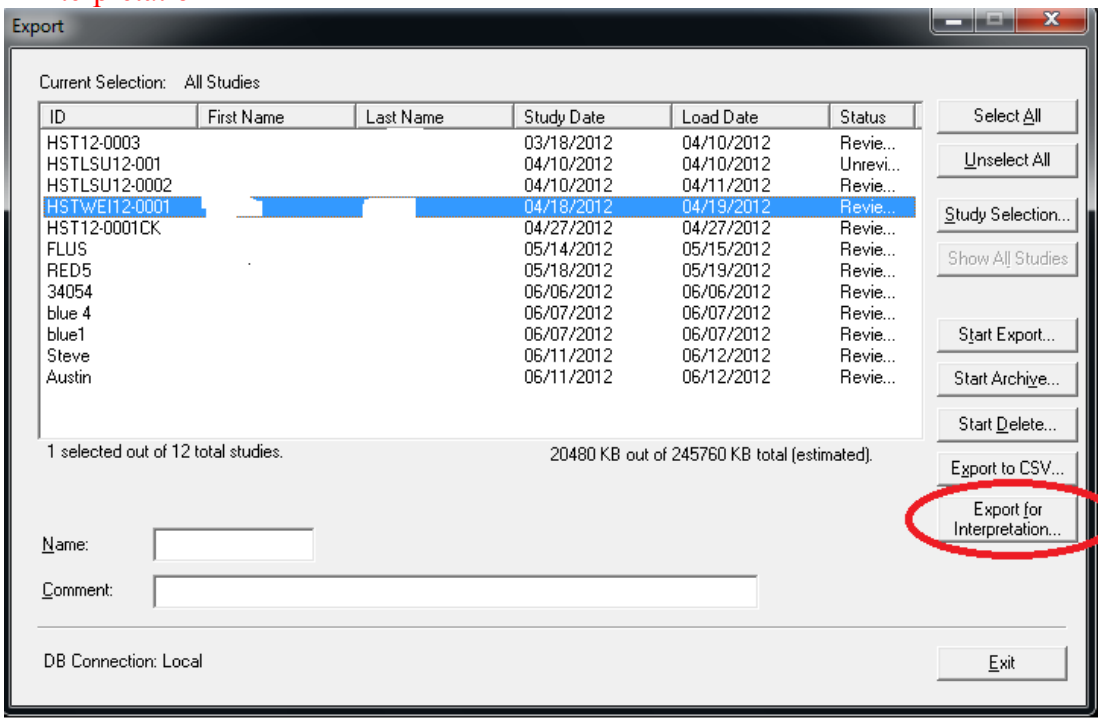
	Trying to attach a very large file(s)	File attachment is limited to 20MB per study or report. Reduce file size	
STOP BANG			
Session has been completed. Cannot restart.	The questionnaire has been submitted	Find the completed questionnaire in the patient record. If needed – generate a new questionnaire from the patient record.	
Expired code.	STOP BANG Code is valid for 20 minutes.	Generate a new STOP BANG Code from the patient record.	

6. Appendix A: Exporting a study from zzzPAT into CloudPAT

	Note This guide gives instructions on how to upload a study from zzzPAT to CloudPAT. This process will be utilized when you do not have an internet connection and you loaded the study to zzzPAT from the WatchPAT™ device. **If you do have internet connection it is recommended not to switch between the CloudPAT and the zzzPAT**

	Note Multi night studies uploaded to zzzPAT will be exported night by night, if you wish to join them into one study please contact Itamar Medical support for more information.

1. Open zzzPAT (default Login and Password: "111" for both entries)
2. Select "Export/Delete" under "Tools"
3. Highlight the study that you want to export to CloudPAT and select "Export for Interpretation"



4. You will now be asked to save this file to your hard drive. It is recommended to choose a folder called "CloudPAT" that I create prior to this step. After selecting the folder to save the exported file, click "OK".
5. Now go to https:\\cloudpat.precisemd.com and login using your username and password.
6. Select "Upload Study" from Home screen.
7. Thereafter, the following screen will open up. Select "Switch to Manual Upload".

8. Now you need to find the file that was exported out of zzzPAT by selecting "Browse".

9. The exported file from the zzzPAT will end in .zzp. Select the file that you want to upload and select "Open". Then click the next button.
10. Depending on your connection speed to upload and the size of the study data file, the upload time will vary between 2 and 5 minutes. If an error is reported, you will need to try again.
11. Assign the study to an Interpreting Physician. Then, click "Next".

12. The following screen will appear and the process is complete.

itamar
medical
Home
Settings
Support
Logout
Home
View Reports
Patients
Manage Lists
Create New Study
Upload Study
Upload Complete
Study uploaded successfully. The analyzed data file will be ready shortly under Reports. Data will be sent to be reviewed by Musba, Efrat

7. Appendix B: Interpretation and editing of events by the Interpreting Physician Guide

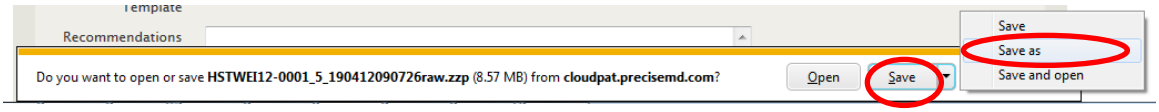
Note

This guide gives instructions on how to download a study from the CloudPAT to zzzPAT for review and manual editing, and how to upload the changes back to the CloudPAT.

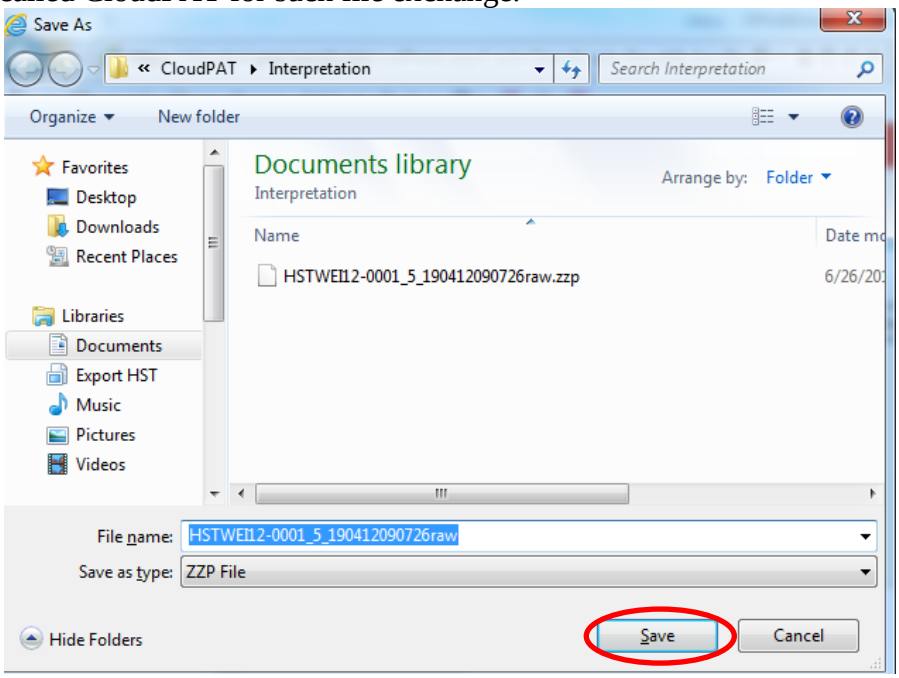
This Guide is directed to Interpreting Physicians, already familiar with the zzzPAT and it is replacing the zzzPAT operation manual.

1. Go to https:\\cloudpat.precisemd.com and login using your user name and password.
2. From the new study screen select the study you want to view in zzzPAT. Click on the patient ID to move to the report screen.
3. Once you have reviewed the study (see section 3.5 above) using "Preview Report", the analysis file and the attachments added by the office, you can decide to import the study into your zzzPAT software. Click "Download to zzzPAT"

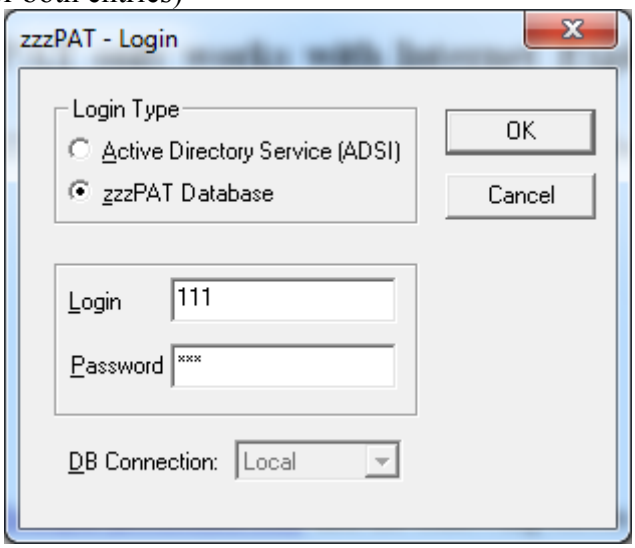
4. At the bottom of the webpage, you will see a new box open. Click on "Save" and a new box will open then click on "Save as":



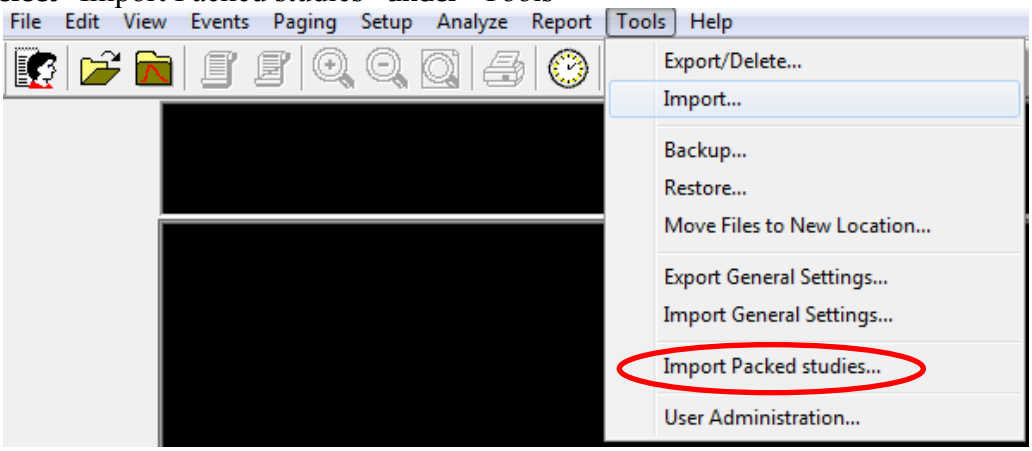
5. Save the file to a predefined location on your hard drive. We recommend creating a folder called CloudPAT for such file exchange.



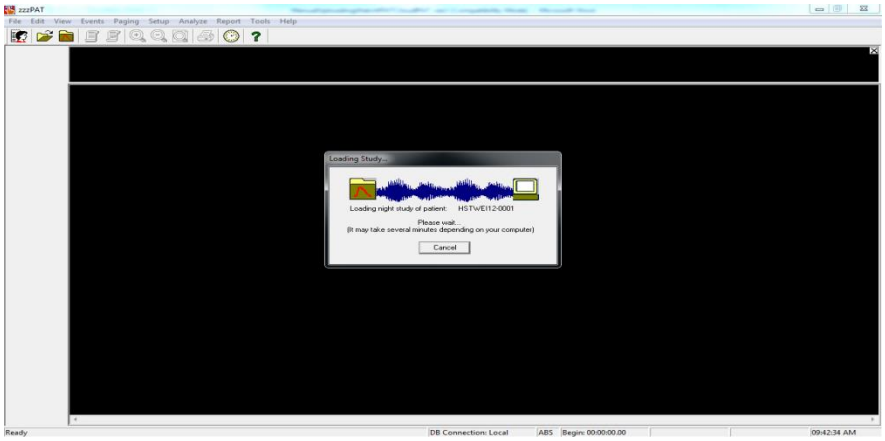
6. To review the raw data open zzzPAT software and login (default Login and Password: “111” for both entries)



7. Select “Import Packed studies” under “Tools”



8. In the dialog box that opens, select the file you have just saved in the CloudPAT and click “Open”.
9. A new box will now open and the imported study will now be loaded and analyzed.



10. The study is now available to be reviewed and manually edited by the interpreting physician.

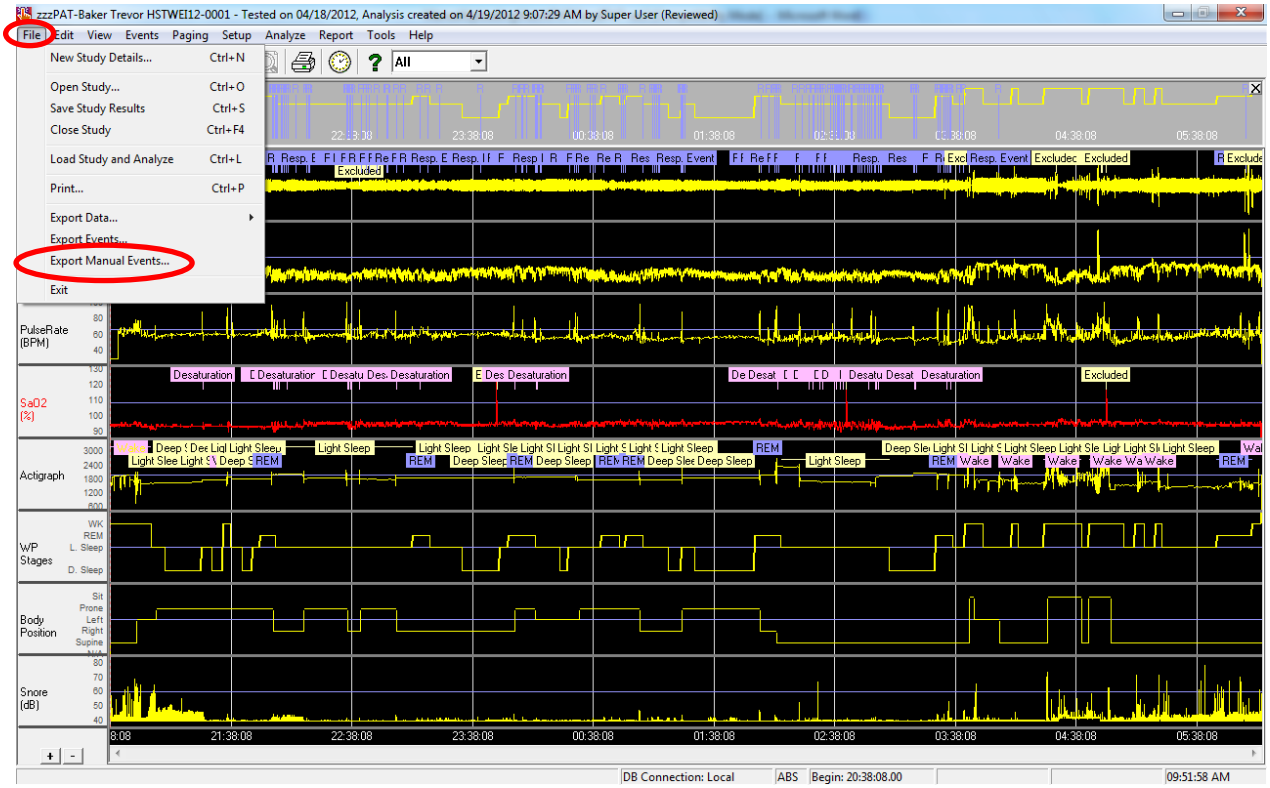
Note

When importing multi night study into zzzPAT, each night will create a different zzzPAT study. Each of the night should be reviewed and edited separately.

<u>Once the interpretation process is done</u>

If changes were made in the study, the study will need to be uploaded to CloudPAT by following the steps below.

11. Save the study in the zzzPAT.
12. Go to **File** and select **"Export Manual Events…"**



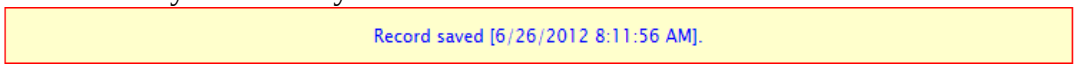
13. Select a file location – again we recommend using a predefine location. Press ok.

14. The manually edited changes now need to be uploaded to CloudPAT. Go to https:\\cloudpat.precisemd.com and login using your user name and password. Locate the study you were working on and enter the report screen like before.
15. Click the **"Choose File"** button near the manual events files box.

Manual Events Files
Please note that any addition, deletion or modification of entries will result in rerunning analysis on save
File*
Choose File
No file chosen

16. Find the saved file. The file name will consist from the patient id and the study date & time in the following structure:
    ID_[patient ID]_SD_[study Date & time]_events_analysis_user.zpt
    Select the file and click "Open".
17. Save the report.

The manually edited study is now saved to CloudPAT:



18. You can check that the analysis file was updated with your manual events.
19. Fill the Diagnosis and Recommendation fields and add attachments as needed.
20. "Save and Lock Report" to complete the process and alert the provider that the study is complete.

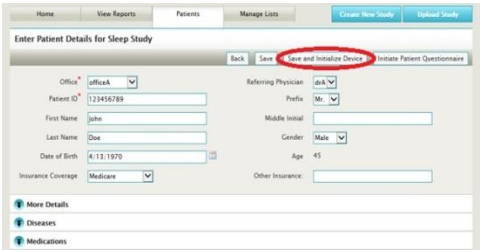
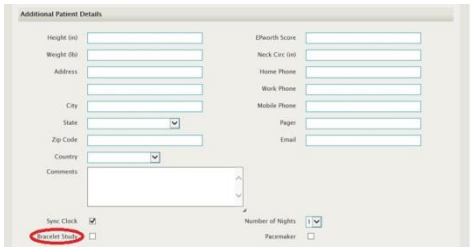
Note

In a multi night study, a manual events file might be created for each of the nights. Upload all of them into the cloudPAT. Add files by pressing the ⊕ icon.

8. Appendix C: CloudPAT Assistant "cheat sheets"

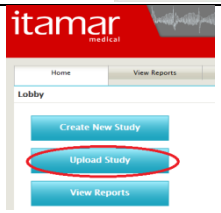
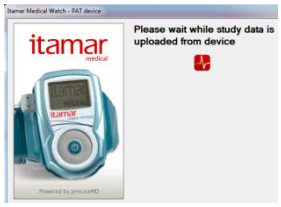
You may print the following pages for a quick reference to frequent tasks.

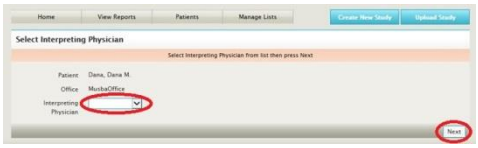
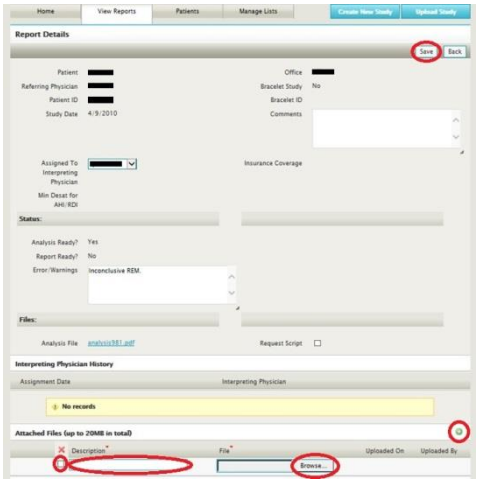
Create a New Study (Initialization) via CloudPAT

		Step	Action(s)	Comment
Minimum	0.	**Before you start…**	Do you have…? 1. PC workstation w/internet access? 2. Internet Explorer 7.0 or higher? 3. Username & Password? 4. Minimum upload speed of 1 Mbps	Problems or Questions? **Select** *Support* or Call: +1-888-748-2627
Logging in	1.	**Enter CloudPAT via the Web**	Log in to: www.cloudpat.precisemd.com • Enter your Username & Password • **Select** "*Sign In*"	
Connecting	2.	**Create (initialize) new Sleep Study using CloudPAT**	• **Select** "*Create New Study"* • Slide WatchPAT™ device out of its "cradle" to reveal the USB connection. • Connect WatchPAT™ device to any USB port.	
Patient Detail Entry	3.	**Patient Detail Entry**	• Only the "*Patient ID*" and office are mandatory. • We recommend you fill the patient name to ease searching for the study. • **Select** "*Save & Initialize Device*"	
	4.	**OPTIONAL** **Chain of Custody Bracelet**	• For more patient detail entry, **select** "*More Details*" section • **Select** the box "*Bracelet Study*" for occupational testing using a Chain of Custody bracelet. • For multi night study **select** the number of nights • **Select** "*Save & Initialize Device*"	
Success?	5.	**Initialization complete**	• **Select:** "*Proceed with initialization*" • **1st time usage**: a small PC-resident program will be downloaded. **Select**: "*Run*"	

		Step	Action(s)	Comment
Interpreting Physician	6.	**Select Interpreting Physician**	• **Select** the Interpreting Physician (or leave empty at this point) • **Select** "*Save*"	
Finalize	7.	**Prepare the device**	• Reinsert the WatchPAT™ device into its "cradle" • Complete a **device test** • **Instruct** the patient about the use of the device.	

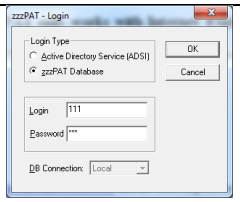
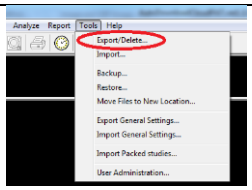
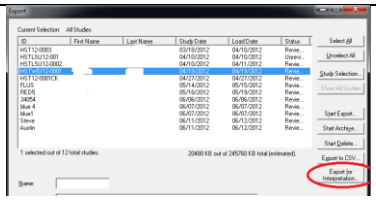
Upload Sleep Study from WatchPAT™ to CloudPAT

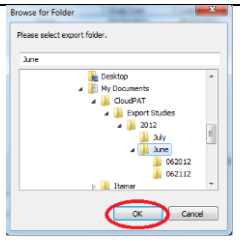
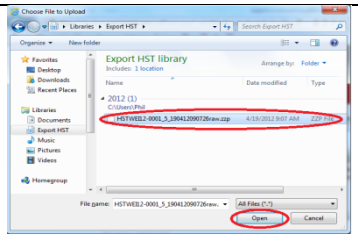
		Step	Action(s)	Comment
Minimum	0.	**Before you start…**	Do you have…? 1. Computer running Win7 or higher with internet access? 2. Internet Explorer 7.0 or higher? 3. Username & Password? 4. Minimum upload speed of 1 Mbps	Problems or Questions? **Select** *Support* or Call: +1-888-748-2627
Logging in	1.	**Enter CloudPAT via the Web**	Log in to: www.cloudpat.precisemd.com • Enter your Username & Password • Select Sign In	
Upload Study	2.	**Upload a Sleep Study- WatchPAT™ device to CloudPAT**	• **Select** "Upload Study" • Slide WatchPAT™ device out of its "cradle" to reveal the USB connection. • Connect WatchPAT™ device to a USB port.	
Internet Connection required	3.	**Connect WatchPAT™ device to USB port**	**Select**: "*Proceed with upload*" • **1st time usage**: a small PC-resident program will be downloaded. **Select**: *Run* • You will be prompted to select an Interpreting Physician <u>after</u> the study has uploaded.	
	4.	**Upload progress**	Depending on your connection speed, the device type and the number of night (in a multi night study) upload time will vary between two (2) and fifteen (15) minutes. If an error is reported, you will need to try again.	

		Step	Action(s)	Comment
Success?	5.	**Select Interpreting Physician**	*"Upload Complete"*: Study uploaded successfully. Now you can select the Interpreting Physician that will interpret the study (can be done later on form the study page). **Select**: *Next* "*Upload Failed*": try again or call Support	
Attach files	6.	**OPTIONAL** **Attach Files (up to 20MB) and update study details**	• **Select** *"View Reports"* • **Select** the Study for which you want to attach files by clicking on the "*Patient ID"* link. • Go to the *"Attached Files"* section at the bottom of the "*Report Details"* screen and "*Browse"* to the file and add "*Description".* • Add additional files by clicking on the **+** sign on the right. • **Select** the box under the **x** to delete a file. • Update study parameters if needed and Assign to Interpreting Physician if needed. • Select *"Save"* to save your changes.	

Manual Upload from zzzPAT to CloudPAT

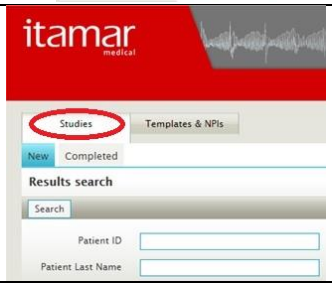
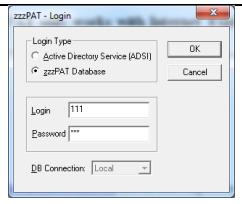
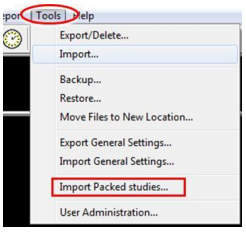
(Rarely needed. e.g. if an internet outage occurred and sleep study was saved locally on zzzPAT)

		Step	Action(s)	Comment
Preparation	1.	**Start zzzPAT**	*Open zzzPAT* *(default Login and Password: "111" for both entries)*	
Create Export	2.	**Start Export process**	**Select** "*Export/Delete*" under "*Tools*"	
Locate Study	3.	**Find a patient via ID number**	Highlight the patient that you want to export to CloudPAT and **select** "*Export for Interpretation*"	

		Step	Action(s)	Comment
Save Export	4.	**Save Exported file**	• Browse for a Folder you created prior to this step (suggestion: name it “CloudPAT”). • After selecting that Folder, Save the exported file by **selecting** “OK” • The file will end in .**zzp**.	
CloudPAT login	5.	**Log into CloudPAT**	• Log into CloudPAT like a regular study, www.cloudpat.precisemd.com • Enter your Username and Password • **Select** Sign In	
Select Manual	6.	**Manual Study Upload**	**Select** “Upload Study” **Select** “Switch to Manual Upload” Find the file**: select** *“Browse”*	
Open	7.	**Proceed as in normal Upload**	The file extension is .**zzp**. **Select** “Open” for the file you want to upload. Proceed as in Step 3 for a regular *Upload Sleep Study*	

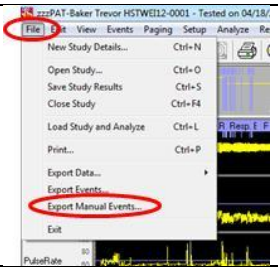
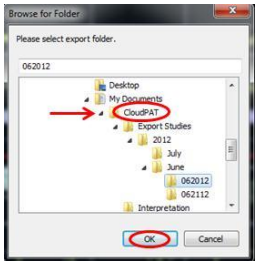
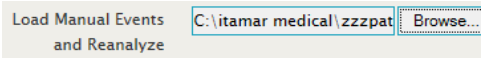
Interpreting Physician: Physician review of raw sleep study data

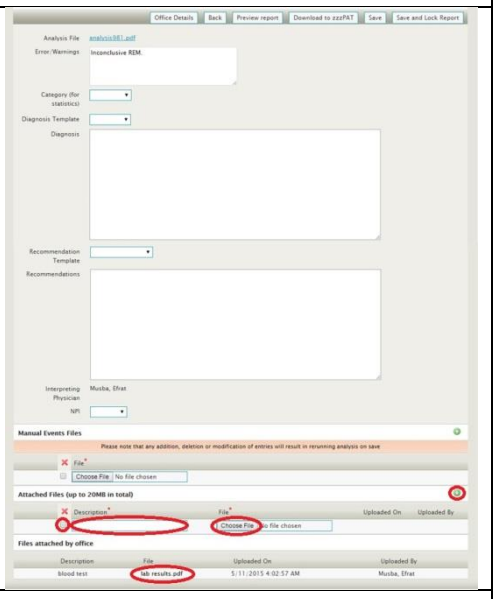
part -1

		Step	Action(s)	Comment
Preparation	1.	**Before you start…**	Do you have…? 1. Computer running Win7 or higher with internet access? 2. Internet Explorer 7.0 or higher? 3. Username & Password? 4. zzzPAT familiarity & installed	Problems or Questions? **Select** *Support* or Call: +1-888-748-2627
Login	2.	**Enter CloudPAT via the Web**	Log in to: www.cloudpat.precisemd.com • Enter your Username & Password • **Select** "*Sign In*"	
Find study	3.	**Select patient study**	You may • Analyze a study ("*Studies*") or • Create custom forms ("*Templates*") or NPI number ("*NPIs*") **Select** the patient you want to analyze. Various Sort options are available at the bottom	
View	4.	**View auto-analyzed suggestions**	• To view the auto analyzed, 2-page report that the Provider uploaded, **select** "*Analysis File*" • To view patient information, **select** "*Preview Report*" • Open attachments if exist If analysis is satisfactory, skip to step 12	
Analyze	5.	**Analyze & save Sleep Study raw data**	To download the raw data for review: • **Select** "*Download to zzzPAT*" • Browse for a Folder you created prior to this step (suggestion: name it "CloudPAT")	
Work zzzPAT	6.	**Start zzzPAT**	Open zzzPAT (default Login and Password: "111" for both entries)	
Import Study	7.	**Manual Study Upload**	• **Select** "*Import Packed studies*" under "*Tools*" • Get to "*Select Packed Studies to Import*" • Go to your previous CloudPAT Folder • Highlight the .**zzp** file to Import • **Select** "*Open*" • Edit/Score as usual with zzzPAT	

<u>Interpreting Physician</u>: Physician review of raw sleep study data

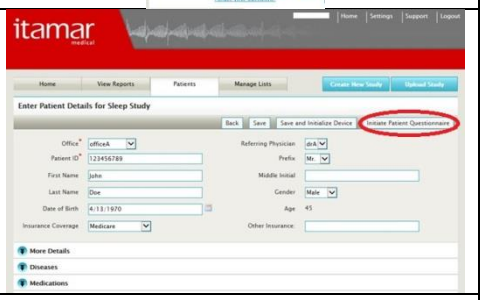
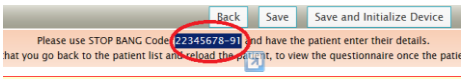
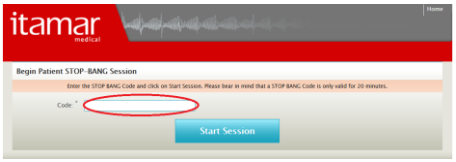
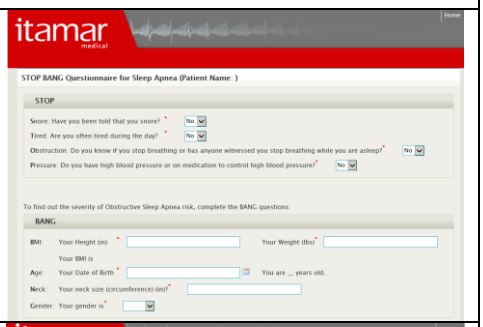
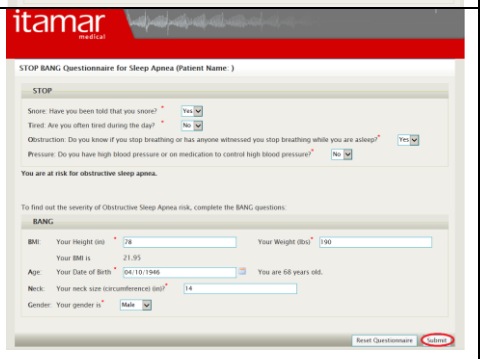
part 2

		Step	Action(s)	Comment
Score raw data	8.	**Manually edit and score the sleep study**	• *Add* and/or *Delete* Events per your training • The changes now need to be saved on your local disk.	
Save locally	9.	**Save Event changes on local disk**	• **Select** "*File*" • **Select** "*Export Manual Events…*" • A new box will open; • Save the changes to your <u>local</u> CloudPAT Folder • **Select** "*OK*"	
Upload	10.	**Upload Event changes to CloudPAT**	• The manually edited changes now need to be uploaded back to CloudPAT. • **Select** "*Browse*" • Find the saved file, highlight it, **select** "Open"	
Save Cloud	11.	**Save Event changes on CloudPAT**	• **Select** "Save" from the CloudPAT toolbar. • Your manually edited study is now saved on CloudPAT, ready for diagnosis using your customizable template system	

Prepare	12.	**Prepare report**	• Preview the new report.
			• Enter Diagnosis and Recommendations.
			• Open files attached by the office (if any) by clicking on the file link.
			• Add prescriptions or additional information as PDF attachments
			  ○ Go to the "Attached Files" section at the bottom of the screen and "*Browse*" to the file and add "*Description*".
			  ○ Add additional files by clicking on the + sign on the right.
			  ○ Select the box under the x to delete a file.
			• Select "*Save*" to save your changes.
				

Lock & Notify	13.	**Lock report; notify Provider**	• **Select** "*Save and Lock Report*" to complete the process • Provider will be alerted automatically that the study is complete. *DONE*	

Fill a STOP BANG questionnaire

		Step	Action(s)	Comment
Login	1.	**Enter CloudPAT via the Web**	Log in to: www.cloudpat.precisemd.com • Enter your Username & Password • **Select** *Sign In*	
Find Patient	2.	**Select patient**	• **Select** Patient either through "*Manage Patients*" or through "*Create New Study*" • **Select** "*Initiate Patient Questionnaire*"	
Get code	3.	**Get code**	• You will receive an individual code, which will be valid for 20 minutes only • The code starts with the Patient's ID and is part of the 2 line message displayed on the screen • **Copy** the code. You will need it to start the questionnaire	
Use code	4.	**Use code**	• On the laptop or tablet given to the patient, Go to: https://cloudpat.precisemd.com/sb.aspx • Enter code in "*Code*" field • **Select** "*Start Session*"	
Fill questionnaire	5.	**Fill STOP BANG**	**Let the patient fill in the questionnaire.** **Note**: Once the patient starts filling in the questionnaire, they have 20 minutes to complete it. If they don't complete it during that time, a new code must be generated from within the Patient Details screen.	
Submit questionnaire	6.	**Submit**	• **Select** the "*Submit*" button once the patient has filled in the questionnaire • The Patient details will be automatically updated with the new information (except if the fields were already filled previously) • Filled questionnaires can be viewed from the "*Questionnaires*" section of the Patient details screen.	

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